

Hiawatha Playfield

Play Area Renovation

Parks Specification # 0000 PW # 2022-027 Project # PRK000000-00

Funding Source: Seattle Parks District/Other Funding Source

Owner:

City of Seattle Department of Finance & Administrative Services,
City Purchasing & Contracting Services

Administering Department:

City of Seattle Department of Parks and Recreation, Planning & Development Division
300 Elliott Avenue West, Suite 100, Seattle, WA 98119
Project Manager: Shannon Glass 206-733-9319

Project Design Team:

Karen Kiest Landscape Architects
111 West John Street Suite 306
Seattle, WA 98119
Primary Contact: Clara Pang 206-323-6032

Coterra Engineering

6413 Phinney Ave North
Seattle, WA 98103
Primary Contact: Max Berde 206-596-7115

GENERAL NOTES:

- ALL WORK SHALL CONFORM TO THE 2020 EDITION OF THE CITY OF SEATTLE STANDARD SPECIFICATIONS AND PLANS FOR ROAD, BRIDGE AND MUNICIPAL CONSTRUCTION AND ALL APPLICABLE CODES AND REGULATIONS.
- A COPY OF THE APPROVED CONTRACT DOCUMENTS SHALL BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- DATUM PER CITY OF SEATTLE (SEE SHEET 2). ALL UTILITIES SHOWN HAVE BEEN ESTABLISHED BY FIELD SURVEY OR AVAILABLE RECORDS AND SHOULD BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN ON THE PLAN WHICH MAY BE AFFECTED BY CONSTRUCTION.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN SEDIMENTATION CONTROL AND COLLECTION FACILITIES TO PREVENT ERODED SOILS FROM ENTERING THE PUBLIC DRAINAGE SYSTEM DURING EXECUTION OF THE CONTRACT.
- KEEP ALL WALKWAYS CLEAR AND FREE OF DEBRIS. PAVED SURFACES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NOT COST TO THE CITY.
- STORAGE OF MATERIALS AND EQUIPMENT WILL BE ALLOWED ONLY IN AREAS DESIGNATED FOR CONSTRUCTION OR STAGING. UNDER NO CIRCUMSTANCES ARE MATERIALS TO BE STORED IN PUBLIC USE AREAS OF THE PARK PROPERTY.
- ALL FACILITIES SCHEDULED TO REMAIN THAT ARE DAMAGED DURING THE COURSE OF EXECUTION OF THE CONTRACT WORK SHALL BE REPLACED BY THE CONTRACTOR TO THE ENGINEERS SPECIFICATIONS AT NO ADDED COST TO THE CITY. THESE FACILITIES MAY INCLUDE ASPHALT AND CONCRETE PAVING, BENCHES, RAILINGS, IRRIGATION ,VEGETATION, FENCING, BUILDING AND VARIOUS UTILITIES.

SCOPE OF WORK:

THE FOLLOWING SCOPE ELEMENTS ARE PART OF THE BASE CONTRACT:

- REMOVAL OF EXISTING PLAY AREA EQUIPMENT, WOOD CHIPS, RUBBER RAMPS, CONCRETE WALLS, CONCRETE CURBS, CONCRETE PADS, SITE FURNITURE, GRAVEL PATHS, ASPHALT BASKETBALL COURT AND BASKETBALL HOOP.
- MODIFICATION OF DRAINAGE SYSTEM AND INSTALLATION OF NEW DRAIN PIPE
- INSTALLATION OF PLAY EQUIPMENT, PLAY AREA SURFACING, PLAY AREA CONCRETE CURB, PLAY AREA CONCRETE RETAINING WALL
- INSTALLATION OF CONCRETE PAVING, ASPHALT PAVING AND GRAVEL SURFACING.
- INSTALLATION OF BOULDERS, STONE SLABS AND SITE FURNISHINGS
- INSTALLATION OF HYDROSEED, PLANTING AND IRRIGATION.

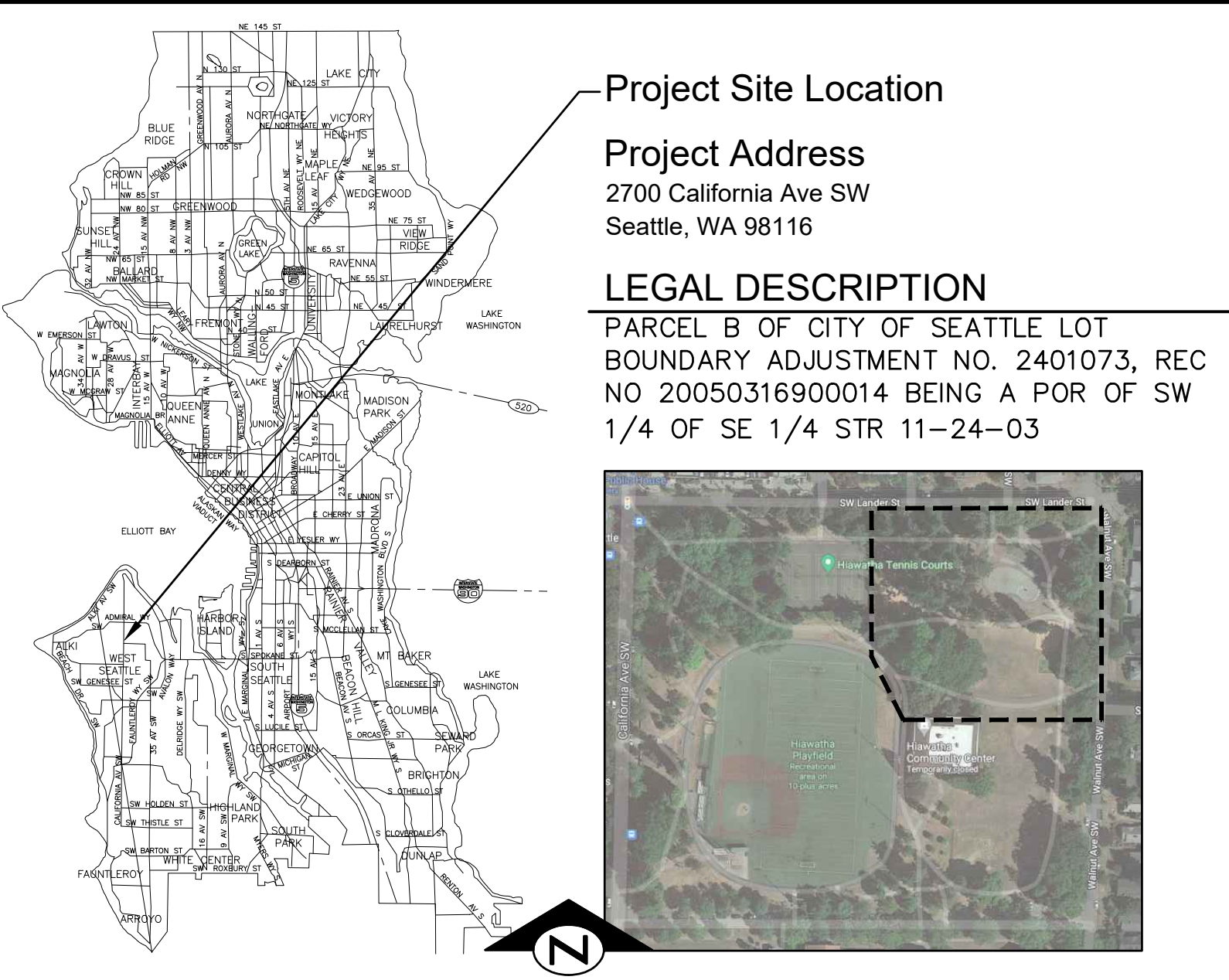
OPTIONAL BID ITEMS

ADDITIVE #1: PROVIDE ACCESSIBLE ASPHALT PAVING ROUTE FROM PLAY AREA TO COMMUNITY CENTER.

ADDITIVE #2: PROVIDE AND INSTALL THE FOLLOWING SITE FURNISHINGS: STONE SLABS, BENCH AND PICNIC TABLE.

ADDITIVE #3: PROVIDE AND INSTALL THE FOLLOWING PLAY EQUIPMENT: OMNI SPINNER

ALTERNATE #4: INSTALL SYNTHETIC TURF SAFETY SURFACING INSTEAD OF ENGINEERED WOOD FIBER SAFETY SURFACING AT PLAY AREA. LOCATION NOTED ON PLAN.



VICINITY MAP
CITY OF SEATTLE - NOT TO SCALE

LOCATION MAP

STANDARD ABBREVIATIONS

Aban	Abandon(ed)	Gal	Gallon	Qty	Quantity
Adj	Adjust	GPM	Gallons Per Minute	R	Radius
ADA	Americans with Disabilities Act	Galv	Galvanize/Galvanized	RR	Railroad
AIC	Aerial Interconnect	GIP	Galvanized Iron Pipe	Rlwy	Railway
Al	Aluminum	GSP	Galvanized Steel Pipe	Reconn	Reconnect
AP	Angle Point	GM	Gas Meter	Red	Reducer
Approx	Approximate	G Reg	Gas Regulator	Ref	Refer/Reference
Asph	Asphalt	Gas V	Gas Valve	Reinf	Reinforcing/Reinforcement
ASW	Asphalt Bike Way	Gr	Grade	RCP	Reinforced Concrete Pipe
ATB	Asphalt Treated Base	Gnd	Ground	Reloc	Relocate
ACV	Automatic Control Valve	GP	Guy Pole	Rem	Remove
AVB	Automatic Vacuum Breaker	HH	Handhole	Rem	Remove and Replace
Ave	Avenue	HPG	High Pressure Gas	Repl	Replace
AV	Average	HPS	High Pressure Sodium	Req'd	Required
BV	Ball Valve	Horiz	Horizontal	Ret	Retire(d)
BOC	Beginning of Curb	HB	Hose Bib	Rt	Right
BO	Blow Off	HC	Hose Connection	R/W	Right of Way
BF	Bottom Face	Hse	House	RGS	Rigid Galvanized Steel
Br	Brick	Hyd	Hydrant	RS	Rigid Steel
Blkhd	Bulkhead	In	Inch/Inches	Rdwy	Roadway
BFV	Butterfly Valve	Inl	Inlet	RD	Roof Drain
Cb	Cable	ID	Inside Diameter	SB	Sand Box
Cal	Caliper	IE	Invert Elevation	SCL	Seattle City Light
CIP	Cast Iron Pipe	Inv	Invert (Line)	SED	Seattle Engineering Dept.
CB	Catch Basin	IP	Iron Pipe	SWD	Seattle Water Department
CL	Center Line	Irrg	Irrigation	SG	Subgrade
C-C	Center to Center	IRC	Irrigation Controller	SD	Service Drain
CLF	Chain Link Fence	Irrg	Irrigation	Sht	Sheet
Ch	Chamber	IH	Irrigation Head	SS	Side Sewer - Combined
CI	Class	Jt	Joint	SSS	Side Sewer - Sanitary
CO	Clean Out	JB	Junction Box	Sl	Sleeve
Clr	Clearance	KB	Kilovolt	Spec	Specification(s)
Conc	Concrete	UT	Large Inlet Top	SH	Sprinkler Head
CBW	Concrete Bike Way	Lt	Left	Sq	Square
CC	Concrete Culvert	LP	Light Pole	Std	Standard
CW	Concrete Walk	LF	Lineal Feet	Stl	Steel
Cond	Condition	Loc	Location/Locate	Stl P	Steel Pipe
Cd	Conduit	MH	Manhole	St	Street
Conn	Connect	MCV	Manual Control Valve	SDS	Street Designation Sign
OMP	Corrugated Metal Pipe	MDV	Manual Drain Valve	SLHH	Street Light Handhole
Cont	Continuous	Max	Maximum	SNS	Street Name Sign
Cr	Cross	MJ	Mechanical Joint	Struct	Structural/Structure
Cu Ft	Cubic Feet	MVL	Mercury Vapor Light	SL	Survey Line
Cu Yd	Cubic Yard	Min	Minimum	T	Tee
Culv	Culvert	Misc	Miscellaneous	Tel	Telephone
C&G	Curb and Gutter	ML	Monument Line	Tcb	Telephone Cable
CR	Curb Radius	NIC	Not in Contract	Tcd	Telephone Conduit
		NTS	Not To Scale	TC	Top of Curb
		No.	Number	THH	Telephone Handhole
Dept	Department			TVCb	Television Cable
Dia	Diameter			TVHH	Television Handhole
DB	Direct Burial Cable			Temp	Temporary
DGV	District Gate Valve			TH	Testhole
DCV	Double Check Valve			TF	Top Face
Dwy	Driveway			Tr	Traffic
DIF	Ductile Iron Pipe			TrCb	Traffic Cable
Ea	Each			TrCd	Traffic Conduit
Esmt	Easement			TCHH	Traffic Handhole
Ecc	Eccentric			TrSB	Traffic Signal Box
Elec	Electric/Electrical			TrSP	Traffic Signal Pole
ECb	Electric Cable			XP	Transmission Pole
ECd	Electric Conduit			Typ	Typical
ED	Electric Duct			Vch	Valve Chamber
EMH	Electric Manhole			V/Var	Variable
EV	Electric Vault			Vert	Vertical
EI	Elevation			VB	Valve Box
Elev	Elevation			V/C	Vertical Curve
Encl	Enclosure			W	Water
EOC	End of Curb			WM	Water Meter
Eq	Equal			WCR	Wheel Chair Ramp
Ex	Existing			w/	With
Exp	Expansion			WP	Wood Pole
Ft	Feet			WSP	Wood Stake Pipe
FLP	Field Light Pole				
Fig	Figure				
FF	Finished Floor				
FG	Finish Grade				
FS	Finished Surface (paving)				
FM	Force Main				

>>>>CAUTION - CALL 811<<<<

UTILITY NOTIFICATION CENTER

BEFORE YOU DIG!

WWW.CALL811.COM

Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

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2	PERMIT CORRECTIONS #2	02/03/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION -- AS BUILT	DATE

REVIEWED: _____ DATE _____

PARK ENGINEER _____

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.

Karen Kiest
Landscape Architects

111 west john street suite 306
seattle washington 98119
206 323 6032
www.kk-la.com



HIAWATHA PLAYFIELD	DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
PLAY AREA RENOVATION	DRAWN <u>CP</u>	SHEET <u>1</u> of <u>30</u>
	CHECKED <u>KK</u>	
COVER SHEET	ORDINANCE NO. <u>X</u>	G1.0
	SPECIFICATION NO. <u>X</u>	
	SCALE <u>N/A</u>	

SITE NOTES

SITE ADDRESS:
2700 CALIFORNIA AVENUE SW
SEATTLE, WA 98116

TAX ACCOUNT NO.:
112403-9001

ZONING:
SF-5000

ZONING AGENCY:
CITY OF SEATTLE
SEATTLE DEPARTMENT OF CONSTRUCTION AND INSPECTIONS
700 5TH AVENUE, SUITE 2000
SEATTLE, WA 98104
(206) 684-8600

SETBACKS:
CURRENT SETBACK REQUIREMENTS SUBJECT TO SITE PLAN REVIEW. CURRENT SETBACKS MAY DIFFER FROM THOSE IN EFFECT DURING DESIGN/CONSTRUCTION OF EXISTING IMPROVEMENTS.

THE ISSUANCE OF A CERTIFICATE OF OCCUPANCY BY THE GOVERNING JURISDICTION INDICATES THAT STRUCTURES ON THIS PROPERTY COMPLIED WITH MINIMUM SETBACK AND HEIGHT REQUIREMENTS FOLLOWING CONSTRUCTION.

FLOOD ZONE:
THIS SITE APPEARS ON NATIONAL FLOOD INSURANCE RATE MAP, DATED MAY 16, 1995 COMMUNITY PANEL NO.53033C0610F, AND IS SITUATED IN ZONE "X", AREA DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN.

HORIZONTAL DATUM:

NAD 2011 EPOCH 2010.00

BASIS OF BEARINGS: S2°39'02"W (CENTERLINE OF CALIFORNIA AVE SW BETWEEN SW LANDER ST AND VACATED SW STEVENS ST.

VERTICAL DATUM:
NAVD 88

AREA:
SITE AS SHOWN CONTAINS 526,298 SQUARE FEET OR 12.0821 ACRES, MORE OR LESS.

PARKING SPACE COUNT:
PARKING SPACES TOTAL 17 INCLUDING 2 DISABLED PARKING SPACES.

SUBSTRUCTURES:
BURIED UTILITIES ARE SHOWN AS INDICATED ON RECORDS MAPS FURNISHED BY OTHERS AND VERIFIED WHERE POSSIBLE BY FEATURES LOCATED IN THE FIELD. WE ASSUME NO LIABILITY FOR THE ACCURACY OF THOSE RECORDS. FOR THE FINAL LOCATION OF EXISTING UTILITIES IN AREAS CRITICAL TO DESIGN CONTACT THE UTILITY OWNER/AGENCY.

TELECOMMUNICATIONS/FIBER OPTIC DISCLAIMER:
RECORDS OF UNDERGROUND TELECOMMUNICATIONS AND/OR FIBER OPTIC LINES ARE NOT ALWAYS AVAILABLE TO THE PUBLIC. BRH HAS NOT CONTACTED EACH OF THE MANY COMPANIES, IN THE COURSE OF THIS SURVEY, WHICH COULD HAVE UNDERGROUND LINES WITHIN ADJACENT RIGHTS-OF-WAY. THEREFORE, BRH DOES NOT ACCEPT RESPONSIBILITY FOR THE EXISTENCE OF UNDERGROUND TELECOMMUNICATIONS/FIBER OPTIC LINES WHICH ARE NOT MADE PUBLIC RECORD WITH THE LOCAL JURISDICTION. AS ALWAYS, CALL 1-800-424-5555 BEFORE CONSTRUCTION.

UTILITY PROVIDERS:

SANITARY SEWER AND STORM DRAINAGE:
SEATTLE PUBLIC UTILITIES
PROJECT MANAGEMENT AND ENGINEERING
700 5TH AVENUE
PO BOX 34018
SEATTLE, WA 98124-4018
(206) 233-7900

WATER:
SEATTLE PUBLIC UTILITIES
700 5TH AVENUE, SUITE 4900
PO BOX 34018
SEATTLE, WA 98124-4018
(206) 684-3000

POWER:
SEATTLE CITY LIGHT
700 5TH AVENUE, SUITE 3200
SEATTLE, WA 98124-4023
(206) 684-3000

NATURAL GAS:
PUGET SOUND ENERGY
10885 NE 4TH STREET, SUITE 1200
PO BOX 97034
BELLEVUE, WA 98009-9734
(206) 454-6363
(888) 225-5773

TELEPHONE:
CENTURY LINK
1600 7TH AVENUE
SEATTLE, WA 98191
(206) 244-1111

DESCRIPTION:
A PORTION OF PARCEL B OF CITY OF SEATTLE LOT BOUNDARY ADJUSTMENT NO. 2401073, RECORDED UNDER KING COUNTY RECORDING NO. 20050316900014.

CERTIFICATION:

SURVEY IDENTIFICATION NO.: 2019103.00

REGISTERED LAND SURVEYOR NO.: 45170

SURVEYOR'S ADDRESS & COMPANY: BUSH, ROED & HITCHINGS, INC.
2009 MINOR AVENUE EAST
SEATTLE, WA 98102-3513

TELEPHONE: (206) 323-4144

THE FIELD WORK WAS COMPLETED ON JUNE 26, 2019.

DATE OF PLAT OR MAP: _____

OLIVER Q. ROBAR, P.L.S. NO. 45170

THE ABOVE CERTIFICATE IS BASED UPON WORK PREPARED IN ACCORDANCE WITH GENERALLY ACCEPTED PROFESSIONAL SURVEY PRACTICE. WE MAKE NO OTHER WARRANTY, EITHER EXPRESSED OR IMPLIED.

HORIZONTAL DATUM: NAD-2011 EPOCH 2010.00,
DERIVED FROM THE WSRN & NGS CORS

HORIZONTAL BENCHMARKS:

SOURCE: CITY OF SEATTLE
ID# POINT NO. 12

DESCRIPTION: 1-1/2"BRASS DISC
WITH PUNCH
IN 3" SQUARE CONC

LOCATION: MON IN CASE
INTERSECTION OF CENTERLINES
OF SW LANDER ST &
CALIFORNIA AVE SW

NORTHING: 215183.30'
EASTING: 1257071.14'

SOURCE: CITY OF SEATTLE
ID# POINT NO 13

DESCRIPTION: 3/8"PLUG
WITH PUNCH
IN CONC IN CASE

LOCATION: INTERSECTION OF CENTERLINES
OF VACATED SW STEVENS ST
& CALIFORNIA AVE SW

NORTHING: 214464.35'
EASTING: 1257037.85'

VERTICAL DATUM: NAVD88

VERTICAL BENCHMARKS:

OWNER: CITY OF SEATTLE
ID# SNV-5260

DESCRIPTION: 2"BRASS CAP STAMPED "CITY OF SEATTLE 5260"
LOCATION: SOUTHEAST CORNER OF INTERSECTION OF
CALIFORNIA AVE SW & SW ADMIRAL WAY,

7.5 FEET NORTH OF INTERSECTION OF
BACK OF CONC. WALKS AND 0.5 FEET
EAST OF BACK OF CONC WALK IN CONC
LUMINAIRE BASE

ELEVATION: 332.59'

OWNER: CITY OF SEATTLE
ID# SNV-5267

DESCRIPTION: 2"BRASS CAP STAMPED "CITY OF SEATTLE 5267"
LOCATION: NORTHWEST CORNER OF INTERSECTION OF SW ADMIRAL
WAY AND 41ST AVE SW, 0.5 FEET SOUTHEAST

OF THE MID POINT OF CURVE AT THE INTERSECTION
OF BACK OF CONC WALKS

ELEVATION: 333.16'

RECORD UTILITY MAP PROVIDERS:

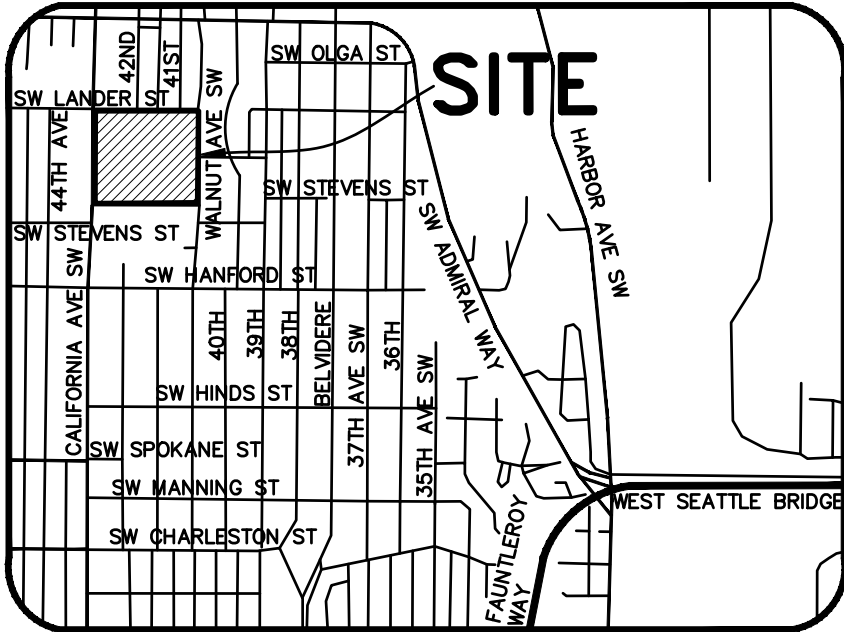
CITY OF SEATTLE (C.O.S.) VAULT:
C.O.S. 100 SCALE FRANCHISE MAPS
C.O.S. INSPECTOR BOOKS
C.O.S. OLD CITY ENGINEER'S QUARTER SECTION MAPS
C.O.S. NEW CITY ENGINEER'S QUARTER SECTION MAPS
C.O.S. SURVEY FIELD BOOKS
C.O.S. SEWER CARDS
C.O.S. ENGINEERING PLANS
C.O.S. BASE MAPS

SEATTLE PUBLIC UTILITIES (S.P.U.) WATER DEPARTMENT:
WATER GIS DOCUMENT

SEATTLE CITY LIGHT:
100 SCALE MAP
NETWORK - CUSTOM MAP

PUGET SOUND ENERGY:
GAS MAPS

NOTE: THIS SURVEY WAS CREATED
WITHOUT THE BENEFIT OF A TITLE
REPORT AND DOES NOT PURPORT TO
SHOW ALL EASEMENTS OR
ENCUMBRANCES FOUND DURING A FULL
TITLE SEARCH.



BUSH, ROED & HITCHINGS, INC.
LAND SURVEYORS & CIVIL ENGINEERS

2009 MINOR AVE EAST
SEATTLE, Washington
98102-3513
(206) 323-4144
1-800-995-0508
FAX# (206) 323-7135



BOUNDARY & TOPOGRAPHIC SURVEY
SEATTLE PARKS DEPARTMENT
HIAWATHA PARK

SEATTLE KING COUNTY WASHINGTON

drawn by	checked by
MWH	OOR
scale	date
1" = 20'	7/29/19
job no.	
2019103.00	
sheet	1 of 3

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
BEFORE YOU DIG!
WWW.CALL811.COM

Also, verify all underground utilities not located by the
811 service by using a official location service and
call SPR Inspection Request Line (206) 684-7034.

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2	PERMIT CORRECTIONS #2	02/03/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION -- AS BUILT	DATE

REVIEWED: _____ DATE _____

PARK ENGINEER _____

All work done in accordance with the City of Seattle Standard
Plans and Specifications in effect on the date shown above, and
supplemented by Special Provisions.

Karen Kiest
Landscape Architects
111 west john street suite 306
seattle washington 98119
206 323 6032
www.kk-la.com



Seattle
Parks & Recreation

HIAWATHA PLAYFIELD

PLAY AREA RENOVATION

SURVEY (SHEET 1)

DESIGNED	KK/CP
DRAWN	CP
CHECKED	KK
ORDINANCE NO.	X
SPECIFICATION NO.	X
SCALE	N/A

DATE 05/10/2022

SHEET 2 of 30

\$1.0



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SEATTLE, WASHINGTON 98102-3513
(206) 323-4144
1-800-995-0508
FAX: (206) 323-7135



NO.	REVISION	DATE
1	ADDED IRRIGATION LINES TO DWG	8/2/19

BOUNDARY & TOPOGRAPHIC SURVEY
SEATTLE PARKS DEPARTMENT
HIAWATHA PARK
SEATTLE KING COUNTY WASHINGTON

drawn by	checked by
MWH	OOR
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HIAWATHA PLAYFIELD
PLAY AREA RENOVATION
SURVEY (SHEET 2)

DESIGNED	KK/CP
DRAWN	CP
CHECKED	KK
ORDINANCE NO.	X
SPECIFICATION NO.	X
SCALE	1" = 20'

DATE 05/10/2022
SHEET 3 of 30
S2.0



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FAX# (206) 323-7135



BOUNDARY & TOPOGRAPHIC SURVEY
SEATTLE PARKS DEPARTMENT
HIAWATHA PARK

SEATTLE KING COUNTY WASHINGTON

drawn by	checked by
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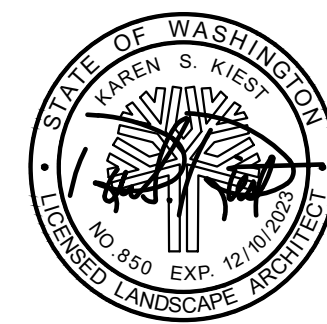
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HIAWATHA PLAYFIELD
PLAY AREA RENOVATION
SURVEY (SHEET 3)

DESIGNED KK/CP
DRAWN CP
CHECKED KK
ORDINANCE NO. X
SPECIFICATION NO. X
SCALE 1" = 20'

DATE 05/10/2022
SHEET 4 of 30
S3.0

HIAWATHA PLAYFIELD

2700 CALIFORNIA AVE SW

SEATTLE, WASHINGTON

GENERAL NOTES

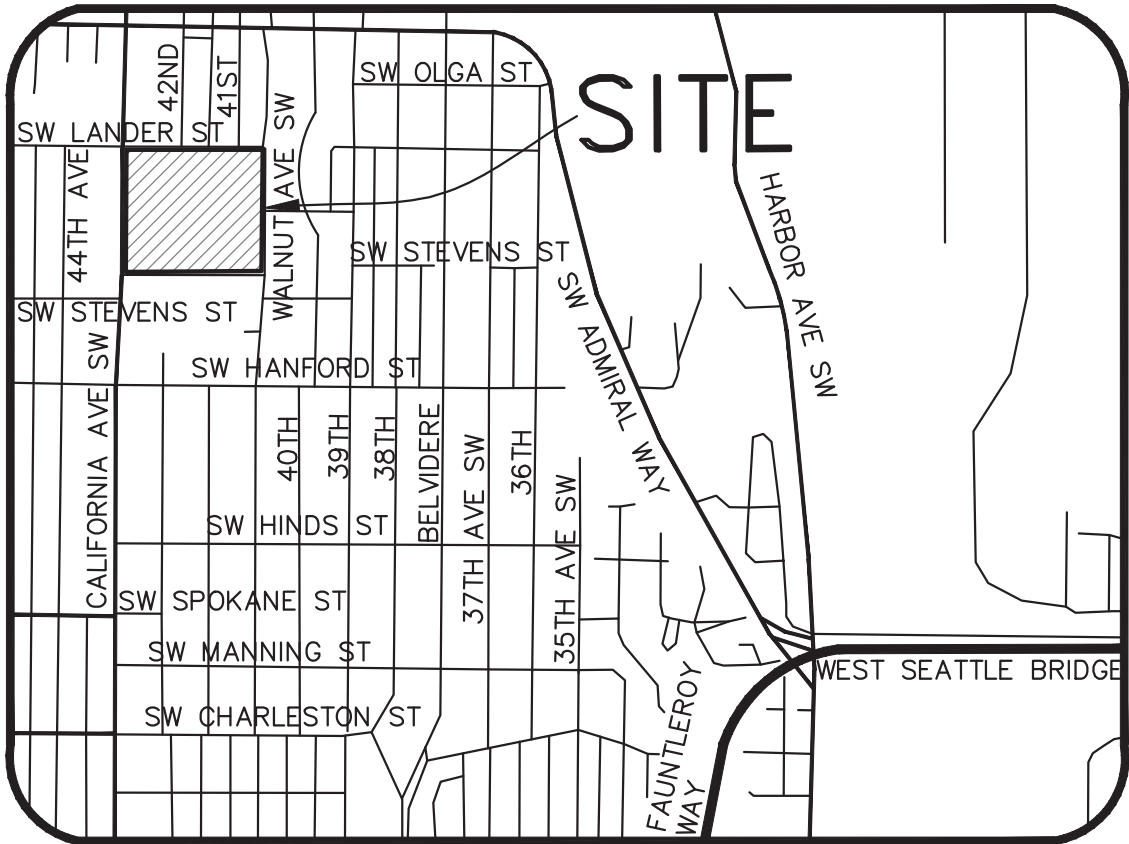
- ALL WORK SHALL CONFORM TO THE 2020 CITY OF SEATTLE STANDARD SPECIFICATIONS FOR ROAD, BRIDGE, AND MUNICIPAL CONSTRUCTION, THE CITY OF SEATTLE STANDARD PLANS, 2020 EDITION, AND DIRECTORS' RULE 1-2017 FOR STREET AND SIDEWALK PAVEMENT OPENING AND RESTORATION. A COPY OF THESE DOCUMENTS SHALL BE ON SITE DURING CONSTRUCTION.
- A COPY OF THE APPROVED PLAN, MUST BE ON SITE WHENEVER CONSTRUCTION IS IN PROGRESS.
- DATUM: NAVD 88. SEE SURVEY DATA FOR CITY OF SEATTLE ESTABLISHED BENCHMARK USED FOR THIS PROJECT.
- THE CONTRACTOR SHALL COORDINATE ALL SURVEYING AND STAKING OF IMPROVEMENTS WITH SPR.
- THE CONTRACTOR SHALL NOTIFY THE SEATTLE FIRE DEPARTMENT DISPATCHER (206-386-1495) TWENTY-FOUR (24) HOURS IN ADVANCE OF ALL WATER SERVICE INTERRUPTIONS, HYDRANT SHUTOFFS, AND STREET CLOSURES OR OTHER ACCESS BLOCKAGE. THE CONTRACTOR SHALL ALSO NOTIFY THE DISPATCHER OF ALL NEW, RELOCATED, OR ELIMINATED HYDRANTS RESULTING FROM THIS WORK.
- ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN ESTABLISHED BY FIELD SURVEY OR OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND TO FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
- THE CONTRACTOR SHALL LOCATE AND PROTECT ALL CASTINGS AND UTILITIES DURING CONSTRUCTION AND SHALL CONTACT THE UNDERGROUND UTILITIES LOCATOR SERVICE (1-800-424-5555) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST ALL EXISTING MANHOLE RIMS, DRAINAGE STRUCTURE LIDS, VALVE BOXES, AND UTILITY ACCESS STRUCTURES TO FINISH GRADE WITHIN AREAS AFFECTED BY THE PROPOSED IMPROVEMENTS.
- UTILITY SERVICE CONNECTIONS ARE TO BE MAINTAINED PRIVATELY AND NOT BY THE CITY OF SEATTLE.
- THE CONTRACTOR SHALL PROVIDE FOR ALL COMPACTION TESTS REQUIRED BY THE UTILITY INSPECTOR.
- BACKFILL MATERIAL USED SHALL MEET CITY OF SEATTLE STANDARD SPECIFICATIONS AND SHALL BE APPROVED BY SPR.
- INSPECTION AND ACCEPTANCE OF UTILITY WORK WILL BE ACCOMPLISHED BY REPRESENTATIVES OF THE CITY OF SEATTLE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE AND SCHEDULE APPROPRIATE INSPECTIONS, ALLOWING PROPER ADVANCE NOTICE. THE INSPECTOR MAY REQUIRE RECONSTRUCTION OF ITEMS THAT DO NOT MEET CITY STANDARDS OR THAT WERE CONSTRUCTED WITHOUT INSPECTION.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SEDIMENTATION COLLECTION FACILITIES TO ENSURE THAT SEDIMENT-LADEN WATER DOES NOT ENTER THE NATURAL OR PUBLIC DRAINAGE SYSTEM. AS CONSTRUCTION PROGRESSES AND UNEXPECTED (SEASONAL) CONDITIONS DICTATE, MORE SILTATION CONTROL FACILITIES MAY BE REQUIRED TO INSURE COMPLETE SILTATION CONTROL OF THE PROJECT. THEREFORE, DURING THE COURSE OF CONSTRUCTION IT SHALL BE OBLIGATION AND RESPONSIBILITY OF THE CONTRACTOR TO ADDRESS AND NEW CONDITIONS THAT MAY BE CREATED BY HIS ACTIVITIES AND TO PROVIDE ADDITIONAL FACILITIES THAT MAY BE NEEDED TO PROTECT ADJACENT PROPERTIES.
- THE CONTRACTOR SHALL KEEP OFF-SITE STREETS CLEAN AT ALL TIMES BY SWEEPING.
- ALL WORK PERFORMED BY SEATTLE CITY LIGHT, SEATTLE PUBLIC UTILITIES, AND OTHER PUBLIC UTILITIES TO REMOVE OR RELOCATE EXISTING UTILITIES SHALL BE DONE AT THE PROJECT CONTRACTOR'S EXPENSE.
- CARE SHALL BE EXERCISED WHEN EXCAVATING NEAR EXISTING CHARGED WATER MAINS.

GENERAL SEWER AND DRAINAGE NOTES

- THE STORM DRAINAGE AND SANITARY SEWER SYSTEMS SHALL BE CONSTRUCTED ACCORDING TO THE PLANS. ANY DEVIATION FROM THE APPROVED PLANS WILL REQUIRE WRITTEN APPROVAL FROM SDCI, SPR, OR BOTH.
- THE CONTRACTOR SHALL VERIFY THE LOCATION AND ELEVATION OF ALL CONNECTION POINTS PRIOR TO CONSTRUCTION.
- SERVICE DRAIN PIPE AND FITTINGS SHALL BE PVC PER ASTM D3034.
- NOT USED
- BEDDING SHALL BE CLASS B FOR ALL PIPE EXCEPT DUCTILE IRON PIPE, WHICH SHALL BE CLASS D. BEDDING MATERIAL FOR PVC PIPE AND CMP SHALL BE MINERAL AGGREGATE TYPE 22. BEDDING MATERIAL FOR PVC PIPE AND CMP SHALL BE MECHANICALLY COMPACTED TO 95% OF MAXIMUM DRY DENSITY AS MEASURED BY ASTM D-698.
- WHERE A NEW PIPE CLEARS AN EXISTING OR NEW UTILITY BY 6" OR LESS POLYETHYLENE PLASTIC FOAM SHALL BE PLACED AS A CUSHION BETWEEN THE UTILITIES.
- CATCH BASIN CONNECTIONS, INLET CONNECTIONS, AND SERVICE DRAINS SHALL BE 6" DIAMETER PIPE.
- TEES, CATCH BASIN CONNECTIONS, SIDE SEWERS, AND SERVICE DRAINS SHALL BE PLACED AT A MINIMUM SLOPE OF 2% AND A MAXIMUM SLOPE OF 50%. INLET CONNECTIONS SHALL BE PLACED AT A MINIMUM SLOPE 5% AND A MAXIMUM SLOPE OF 50%.
- SERVICE DRAINS AND SIDE SEWERS CONNECTED/RECONNECTED AS APPROVED BY UTILITY INSPECTOR.
- RE-LAY EXISTING SERVICE DRAINS/SIDE SEWERS TO CLEAR OVER OR UNDER THE NEW UTILITY AS APPROVED BY THE ENGINEER.
- SERVICE DRAINS AND SIDE SEWERS SHALL NOT BE BACKFILLED UNTIL THE PIPE HAS BEEN INSPECTED AND APPROVED AND THE LOCATION AND DEPTH IS RECORDED BY THE STREET USE INSPECTOR.
- TEES ON NEW PIPE LESS THAN 24" IN DIAMETER SHALL BE PREFABRICATED. TEES ON EXISTING PIPE OR ON NEW PIPE WITHOUT PREFABRICATED TEES SHALL BE CONNECTED BY CORE DRILLING AND FLEXIBLE CONNECTION.
- THE CONTRACTOR SHALL PROVIDE SUPPORTS FOR POWER POLES NEAR EXCAVATIONS PER SEATTLE CITY LIGHT.
- THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS DURING TRENCH EXCAVATION TO PROTECT EXISTING UTILITIES FROM DAMAGE AND SETTLEMENT.
- THE CONTRACTOR SHALL PROVIDE EROSION/SEDIMENTATION CONTROL FACILITIES AS NEEDED TO PREVENT EROSION AND STOP SEDIMENT-LADEN WATERS FROM LEAVING THE SITE.

EROSION/SEDIMENTATION CONTROL (ESC) NOTES

- THE IMPLEMENTATION OF PROPER EROSION CONTROLS MEETING LOCAL REQUIREMENTS AND THE MAINTENANCE, REPLACEMENT AND UPGRADING OF THESE ESC FACILITIES AS NECESSARY DURING CONSTRUCTION IS THE RESPONSIBILITY OF THE APPLICANT/CONTRACTOR UNTIL ALL CONSTRUCTION IS APPROVED.
- THROUGHOUT THE DURATION OF CONSTRUCTION, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INSURE THAT SEDIMENT LADEN WATER DOES NOT LEAVE THE SITE, ENTER THE DRAINAGE SYSTEM OR VIOLATE APPLICABLE WATER STANDARDS.
- DURING THE CONSTRUCTION PERIOD, ESC FACILITIES SHALL BE UPGRADED (E.G. ADDITIONAL SUMPS, RELOCATION OF DITCHES AND SILT FENCES, ETC.) AS NEEDED FOR UNEXPECTED STORM EVENTS.
- THE ESC FACILITIES SHALL BE INSPECTED DAILY BY THE APPLICANT/CONTRACTOR AND MAINTAINED AS NECESSARY OR AS DIRECTED BY THE CITY OF SEATTLE TO ENSURE THEIR CONTINUED FUNCTIONING.
- BETWEEN MAY 1ST AND SEPTEMBER 30TH ANY AREA STRIPPED OF VEGETATION, WHERE NO FURTHER WORK IS ANTICIPATED FOR A PERIOD OF 7 DAYS SHALL BE IMMEDIATELY STABILIZED WITH THE APPROVED ESC METHODS (E.G. SEEDING, MULCHING, NETTING, EROSION BLANKETS, ETC.) BETWEEN OCTOBER 1ST AND APRIL 30TH THE PERIOD SHALL BE 2 DAYS.
- THE ESC FACILITIES ON INACTIVE SITES SHALL BE INSPECTED AND MAINTAINED.
- IF NECESSARY TO PREVENT TRACKING OFF-SITE, STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT THE BEGINNING OF CONSTRUCTION AND MAINTAINED FOR THE DURATION OF THE PROJECT. ADDITIONAL MEASURES MAY BE REQUIRED TO INSURE THAT ALL PAVED AREAS ARE KEPT CLEAN FOR THE DURATION OF THE PROJECT.
- CONSTRUCTION EROSION CONTROL MEASURES MUST BE IN PLACE PRIOR TO ANY EARTH DISTURBANCE.
- NO SEDIMENT SHALL BE TRACKED ONTO PAVED STREETS OR ROADWAYS. SEDIMENT SHALL BE REMOVED FROM TRUCKS AND EQUIPMENT PRIOR TO LEAVING THE CONSTRUCTION SITE. IN THE EVENT OF FAILURE OF THE TESC SYSTEM RESULTING IN SEDIMENT TRACKING ONTO PAVEMENT, THE CONTRACTOR SHALL IMPLEMENT MEASURES IMMEDIATELY TO CORRECT THE SITUATION. THE CONTRACTOR SHALL EMPLOY EMERGENCY MEASURES TO REMOVED SEDIMENT FROM PAVED SURFACES, AS NEEDED. STREET SWEEPING SHALL BE CONSIDERED AN EMERGENCY MEASURE AND NOT A BASIC COMPONENT OF THE TESC SYSTEM. SEDIMENT TRACKED ONTO PAVED SURFACES SHALL NOT BE WASHED INTO STORM DRAINS OR OTHER UTILITY INLETS.
- PROVIDE CB PROTECTION ON SITE AND IMMEDIATELY DOWNSTREAM OF THE PROJECT SITE.
- THE CONTRACTOR SHALL PROVIDE SUMPS, PUMPS, AND STORMWATER TREATMENT SYSTEMS AND CONSTRUCT INTERCEPTOR SWALES NECESSARY FOR DEWATERING. NUMBER AND LOCATION OF SYSTEMS TO BE AS REQUIRED BY CONTRACTOR'S OPERATIONS AND SEQUENCING.
- THE EROSION CONTROL MEASURES DESCRIBED ABOVE ARE CONSIDERED A MINIMUM AND ADDITIONAL MEASURES WILL BE REQUIRED TO PROTECT ADJACENT PROPERTIES, INCLUDING THE ROW, THE DOWNSTREAM SYSTEM AND RECEIVING WATERS.



VICINITY MAP

NTS

SURVEY INFORMATION

HORIZONTAL DATUM: NAD-2011 EPOCH 2010.00, DERIVED FROM THE WSRN & NGS CORs

VERTICAL DATUM: NAVD 88

SEE SURVEY FOR MORE INFORMATION.

PROJECT SITE INFORMATION

TOTAL PROPERTY AREA: 526,298 SF
ADDRESS: 2700 CALIFORNIA AVE SW
PARCEL NUMBER: 112403-9001

ABBREVIATIONS

BC: BOTTOM OF CURB
BW: BACK OF WALK
TC: TOP OF CURB
EX: EXISTING
DI: DUCTILE IRON
SD: STORM DRAIN
SS: SANITARY SEWER
W: WATER

PROJECT CONTACTS

OWNER CITY OF SEATTLE DEPARTMENT OF PARKS AND RECREATION SEATTLE, WA 98109 TEL: (206) 684-4075	LANDSCAPE ARCHITECT KAREN KREST LANDSCAPE ARCHITECTS 111 WEST JOHN ST, SUITE 306 SEATTLE, WA 98119 CONTACT: CLARA PANG TEL: (206) 323-6032
CIVIL ENGINEER COTERRA ENGINEERING PLLC 6413 PHINNEY AVE N SEATTLE, WA 98103 CONTACT: PETER APOSTOL, PE TEL: (206) 596-7115	SURVEYOR BUSH, ROED, AND HITCHINGS, INC. 2009 MINOR AVE EAST SEATTLE, WA 98102 TEL: (206) 323-4144

SHEET INDEX

SHEET NUMBER	SHEET NAME
C1.0	CIVIL COVER SHEET
C2.0	TESC PLAN
C3.0-C3.1	DRAINAGE AND WASTEWATER CONTROL PLAN
C4.0	CIVIL DETAILS

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
BEFORE YOU DIG!
WWW.CALL811.COM

Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

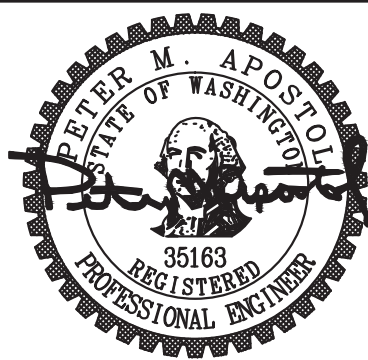
7		
6		
5		
4		
3	SPU COMMENTS	4/22/22
2	PERMIT CORRECTIONS #2	2/2/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION -- AS BUILT	DATE

REVIEWED: _____ DATE _____
PARK ENGINEER

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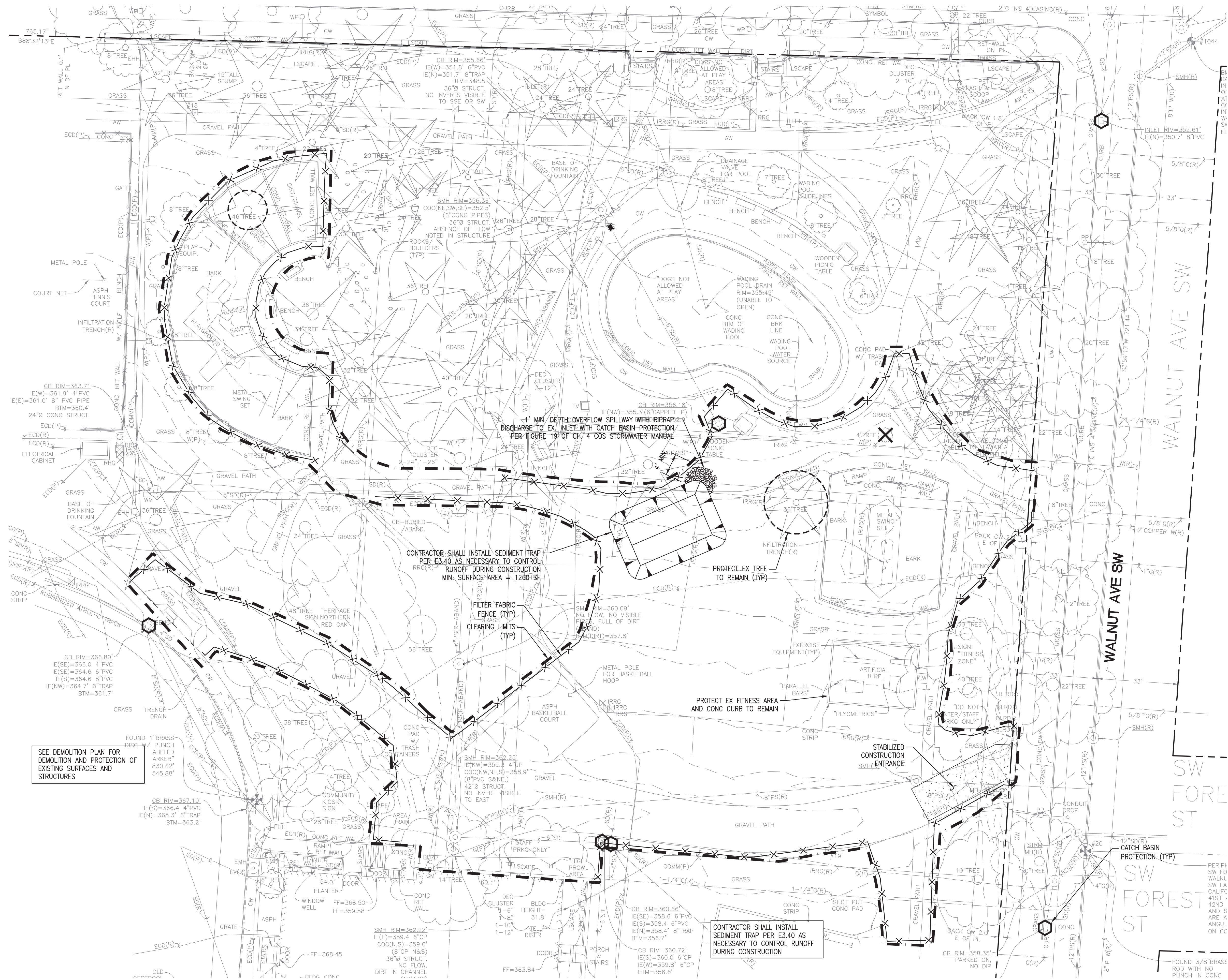
HIAWATHA PLAYFIELD

PLAY AREA RENOVATION

CIVIL COVER SHEET

DESIGNED <u>MEB</u>	DATE <u>5/10/2022</u>
DRAWN <u>MEB</u>	
CHECKED <u>PMA</u>	SHEET <u>5</u> of <u>30</u>
ORDINANCE NO. <u>X</u>	C1.0
SPECIFICATION NO. <u>X</u>	
SCALE <u>1" = 20'</u>	

File: 23_2021 Project Documents\21009 Hiawatha Park\Draw\HAW-TESC.dwg ID: Mox Date: 09-May-22 1:07:44pm



DATUM

NAVD 88

LEGEND

- STABILIZED CONSTRUCTION ENTRANCE
- CATCH BASIN PROTECTION
- FILTER FABRIC FENCE
- CONSTRUCTION/CLEARING LIMIT
- SAWCUT LINE
- REMOVE TREE/STRUCTURE
- TREE PROTECTION

NOTES

- SEE SHEET C1.0 FOR GENERAL NOTES, EROSION AND SEDIMENTATION CONTROL NOTES AND CONSTRUCTION SEQUENCE.
- REMOVE EXISTING SITE STRUCTURES AS NECESSARY TO CONSTRUCT IMPROVEMENTS. REFER TO LANDSCAPE DWGS FOR ADDITIONAL INFORMATION.
- SEE DEMOLITION PLAN FOR DEMOLITION AND PROTECTION OF EXISTING SURFACES AND STRUCTURES.
- PROTECT EXISTING DOWNSPOUT CONNECTIONS AND STORM DRAIN LINES TO REMAIN. REFER TO LANDSCAPE DWGS FOR ADDITIONAL INFORMATION.
- ALL DISTURBED LANDSCAPED AREAS SHALL BE AMENDED WITH SOIL IN ACCORDANCE WITH CITY OF SEATTLE REQUIREMENTS. THIS SHALL CONSIST OF A MINIMUM OF 6" OF COMPOST AMENDED TOPSOIL AND TILLED TO 12" MINIMUM DEPTH.
- PRESERVE AND PROTECT ALL UTILITIES AND SURFACE IMPROVEMENTS NOT INDICATED FOR REMOVAL.
- ALL LOCATIONS OF EXISTING UTILITIES SHOWN HEREON HAVE BEEN OBTAINED FROM AVAILABLE RECORDS AND SHOULD THEREFORE BE CONSIDERED APPROXIMATE ONLY AND NOT NECESSARILY COMPLETE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO INDEPENDENTLY VERIFY THE ACCURACY OF ALL UTILITY LOCATIONS SHOWN AND FURTHER DISCOVER AND AVOID ANY OTHER UTILITIES NOT SHOWN HEREON WHICH MAY BE AFFECTED BY THE IMPLEMENTATION OF THIS PLAN.
- COORDINATE EXTENTS OF PAVING DEMOLITION WITH PROPOSED IMPROVEMENTS. STAGE DEMOLITION TO PROVIDE ADEQUATE HARD SURFACE WORK PAD AND LAYOUT AREAS OR PROVIDE TEMPORARY PAVING OR GRAVEL SURFACING AS NECESSARY.
- COORDINATE ALL UTILITY DEMOLITION WITH CONSTRUCTION OF NEW SYSTEMS AND PROVIDE TEMPORARY BYPASS AND PUMPING SYSTEMS AS REQUIRED BY CONTRACTORS OPERATIONS.
- THE EROSION CONTROL MEASURES SHOWN ON THE DRAWINGS ARE CONSIDERED A MINIMUM AND ADDITIONAL MEASURES WILL BE REQUIRED TO PROTECT ADJACENT PROPERTIES, INCLUDING THE ROW, THE DOWNSTREAM SYSTEM AND RECEIVING WATERS.
- TREE PROTECTION SHALL INCLUDE TEMPORARY CHAINLINK OR SIMILAR RIGID FENCING LOCATED AT DRIPLINE OF TREE.

CONSTRUCTION SEQUENCE

- INSTALLATION OF TREE PROTECTION FENCING.
- THE FENCE LOCATION SHALL BE DETERMINED IN THE FIELD BY THE CITY'S URBAN FORESTER DEPENDING ON THE SITE EVALUATION BY APPLICANTS URBAN FORESTER.
- CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AS REQUIRED. ADJUST AS NECESSARY TO ACCOMMODATE CONSTRUCTION CONDITIONS.
- INSTALL FILTER FABRIC FENCING.
- INSTALL ADDITIONAL SEDIMENTATION MEASURES (SEDIMENT TRAPS, INTERCEPTOR SWALES, ETC.) AS REQUIRED.
- DEMO ACP AND CLEAR AREAS NECESSARY TO ACCOMMODATE NEW CONSTRUCTION. PROTECT ANY CLEARING DEBRIS STOCKPILED ON THE SITE WITH PLASTIC COVERING OR APPROVED COVER.
- EXCAVATE AND GRADE AREAS NECESSARY FOR NEW CONSTRUCTION. PROTECT ANY EXCAVATION SPOILS STOCKPILED ON THE SITE WITH PLASTIC COVERING. REMOVE FILTER FABRIC FENCING AS REQUIRED FOR BUILDING CONSTRUCTION.
- CONSTRUCT UTILITIES AND NEW IMPROVEMENTS AND UPGRADE TESC FACILITIES AS NEEDED.
- IMMEDIATELY STABILIZE EXPOSED BACKFILLED AREAS WITH MULCH OR SPECIFIED PERMANENT RESTORATION PLANTING.
- UPON COMPLETION OF CONSTRUCTING IMPROVEMENTS INSTALL PERMANENT PLANTING AND REMOVE EROSION CONTROL BMPs.

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
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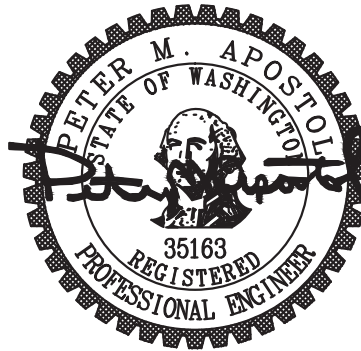
Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.

7		
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3	SPU COMMENTS	4/22/22
2	PERMIT CORRECTIONS #2	2/2/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION -- AS BUILT	DATE

REVIEWED:	DATE
PARK ENGINEER	
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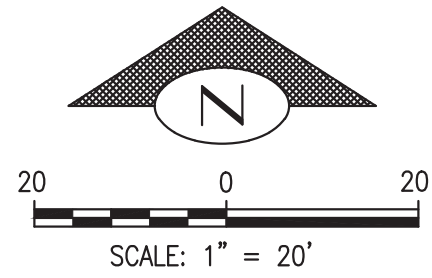
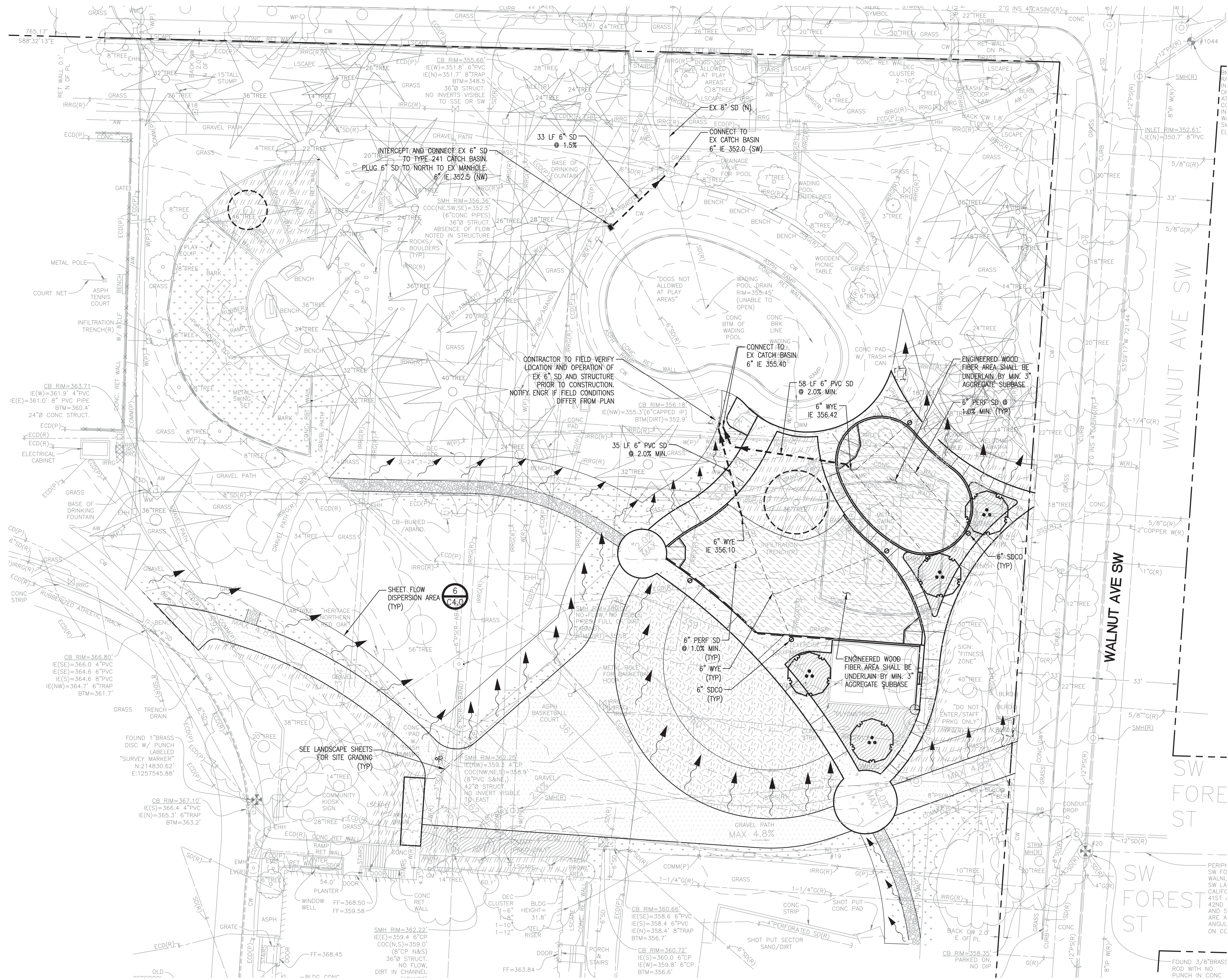


HIAWATHA PLAYFIELD
PLAY AREA RENOVATION
TESC PLAN

DESIGNED	MEB
DRAWN	MEB
CHECKED	PMA
ORDINANCE NO.	X
SPECIFICATION NO.	X
SCALE	1" = 20'

DATE 5/10/2022
SHEET 6 of 30
C2.0

File: 23_2021 Project Documents\21009 Hiawatha Park\Draw\HAW-PARC.dwg ID: Max Date: 09-May-22 1:10:38pm



DATUM

NAVD 88

LEGEND

- CLEANOUT 4 C4.0
- 4" PERFORATED UNDERDRAIN 5 C4.0
- STORM DRAIN MAIN 6 C4.0
- SHEET FLOW DISPERSION 6 C4.0

NOTES

- FIELD VERIFY ELEVATIONS AND NOTIFY ENGINEER OF ANY DISCREPANCIES PRIOR TO CONSTRUCTION.
- REMOVE EXISTING FEATURES AS REQUIRED FOR CONSTRUCTION OF NEW IMPROVEMENTS. SEE LANDSCAPE DEMOLITION PLAN FOR MORE INFORMATION.
- SEE SHEET C1.0 FOR GENERAL NOTES AND DRAINAGE NOTES.
- SEE LANDSCAPE SHEETS FOR MATERIALS PLAN.
- SEE LANDSCAPE SHEETS FOR SITE GRADING PLAN.
- SEE CIVIL DETAIL SHEET C4.0 FOR TYPICAL TRENCH SECTION.
- ALL MATERIALS SHALL CONFORM TO CITY OF SEATTLE REQUIREMENTS AND SPECIFICATIONS UNLESS NOTED OTHERWISE.
- CONFIRM THERE ARE NO CONFLICTS WITH UTILITY CROSSINGS OR OTHER IMPROVEMENTS PRIOR TO CONSTRUCTION.
- VERIFY SLOPES AND INVERT ELEVATIONS OF ALL STORM DRAIN PIPE AND FACILITIES PRIOR TO CONSTRUCTION.
- PLAYGROUND AND SWING AREAS SHALL RECEIVED MINIMUM 3" AGGREGATE SUBBASE LAYER. AGGREGATE SUBBASE SHALL BE LOCATED BELOW LOWEST UNDERDRAIN INVERT. VERIFY SUBGRADE PRIOR TO INSTALLATION.

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7		
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3	SPU COMMENTS	4/22/22
2	PERMIT CORRECTIONS #2	2/2/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION - AS BUILT	DATE

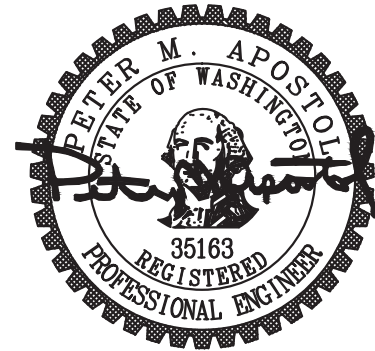
REVIEWED:

PARK ENGINEER DATE

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HIAWATHA PLAYFIELD

PLAY AREA RENOVATION

DWC PLAN

DESIGNED	MEB
DRAWN	MEB
CHECKED	PMA
ORDINANCE NO.	X
SPECIFICATION NO.	X
SCALE	1" = 20'

DATE 5/10/2022

SHEET 7 of 30

C3.0

SITE DRAINAGE CONTROL SUMMARY

On-site Stormwater Management - List Approach Calculator
Site and Drainage Control Summary

Version 07-28-2017

To use the On-Site List Calculator you must select "Enable Content" when the Security Warning appears.

Project Information

Site Address

Hiawatha Park Play Area Renovation

SDCI Project Number

6834667-CN

Primary Contact

Shannon Glass - SPR

SDOT Project Number

Project Type

Parcel-Based

Primary Contact E-mail or Phone

206-733-9319

Total Site Area

526,297

sf

Total New plus Replaced Hard Surface Area

19,721

sf

Existing Hard Surface Area to Remain

0

sf

Total New and/or Replaced Lawn and Landscaping

6,350

sf

Undisturbed and protected site area

500,226

sf

Was the project lot created or reduced in size after Jan 1, 2016?

No

Project Engineer

Max Berde, PE

Engineer E-mail

max@coterraengineering.com

On-site Stormwater Management required for > 1,500 sf of new plus replaced area.

No

On-site Performance Standard will be used (professional engineer required)?

No

Site Information

Note: If required for your project, reference the Preliminary Assessment Report (PAR) to complete this section. If the total areas proposed are different from those provided in the PAR, requirements may change.

Approved Point of Stormwater Discharge

Public Storm Drain Main

Drainage Basin

Designated Receiving Water

Is the downstream drainage system considered Capacity Constrained by SPU?

No

Approved Point of Wastewater Discharge

Public Sanitary Sewer Main

Approved Point of Sub-Surface Discharge

Public Storm Drain Main

Flow Control is required

No

Flow Control Standard

Water Treatment for pollution-generating surfaces is required

No

Select required treatment

Oil Control

Phosphorus

Enhanced

Basic

Total Pollution Generating Hard Surface Area

sf

Total Pollution Generating Pervious Surface Area

sf

Source Control is required

No

Environmentally Critical Areas

Steep Slope

Potential Slide

Riparian Corridor

Wetland

Liquefaction

Flood Prone

Landfill

Known Landslide

Fish / Wildlife

Peat / Groundwater Management

Shoreline Habitat

Temporary dewatering required

No

Permanent dewatering required

Is there known soil and/or groundwater contamination on this site?

No

A licensed professional recommends dispersion not be used anywhere within the project site due to reasonable concerns of erosion, slope failure, or flooding.

No

Infiltration Information

Is infiltration investigation required?

No

Why?

Site is mapped as "infiltr. investigation not required"

Is infiltration on the site feasible?

Site Measured Infiltration Rate

x Infiltration Rate Correction Factor

0.5

=

0

Site Design Inf Rate

On-site Stormwater Management

Number of roof areas

0

Number of other surface areas

8

Surface	Surfaces Description	On-site BMP	Contrib. Area (sf)	Facility Size (sf)	Facility Configuration
1	Surface:Asphalt Path	Sheet Flow Dispersion	1,553	-	
2	Surface:Asphalt Basketb	Sheet Flow Dispersion	8,616	-	
3	Surface:Gravel Path	Sheet Flow Dispersion	621	-	
4	Surface:Gravel Path	Sheet Flow Dispersion	257	-	
5	Surface:Concrete Walk	New or Retained Trees	1,112	-	1 Retain Evergreen
6	Surface:Asphalt Walk	Sheet Flow Dispersion	1,979	-	
7	Surface:Playground - Eng	Permeable Pavement Surface #1	3,575	3,575 sf	
8	Surface:Swings - Engr W	Permeable Pavement Surface #2	2,008	2,008 sf	

Total New/Replaced Roof Area

0

Total Roof Area Managed

0

Total New/Replaced Other Surface Area

19,721

Total Other Surface Managed

19,721

Total Area Managed

19,721

Total Volume Managed On Site

239,858 gal

Estimated compost required for soil amendment

39.37

cy

Volume of compost required for soil amendment will be verified by the DPD Site Inspector for SDCI permitted projects.

DWC SITE PLAN

IMPERVIOUS

PERMEABLE PAVEMENT SURFACE

SURFACE 1

ASPHALT WALK - 1,553 SF

SHEET FLOW DISPERSION

SURFACE 2

ASPHALT BASKETBALL COURT - 8,616 SF

SHEET FLOW DISPERSION

SURFACE 3

GRAVEL PATH - 621 SF

SHEET FLOW DISPERSION

SURFACE 4

GRAVEL PATH - 257 SF

SHEET FLOW DISPERSION

SURFACE 5

CONCRETE WALK

1112 SF

TREE RETENTION

SURFACE 6

ASPHALT WALK - 1,979 SF

SHEET FLOW DISPERSION

SURFACE 7

PLAYGROUND WITH UNDERDRAINS

3,575 SF

PERMEABLE PAVEMENT SURFACE

SURFACE 8

PLAYGROUND WITH UNDERDRAINS

2,008 SF

PERMEABLE PAVEMENT SURFACE

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FIGURE 2 - DWC SITE PLAN

SCALE 1" = 30'

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7		
6		
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3	SPU COMMENTS	4/22/22
2	PERMIT CORRECTIONS #2	2/2/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION - AS BUILT	DATE

REVIEWED: PARK ENGINEER DATE

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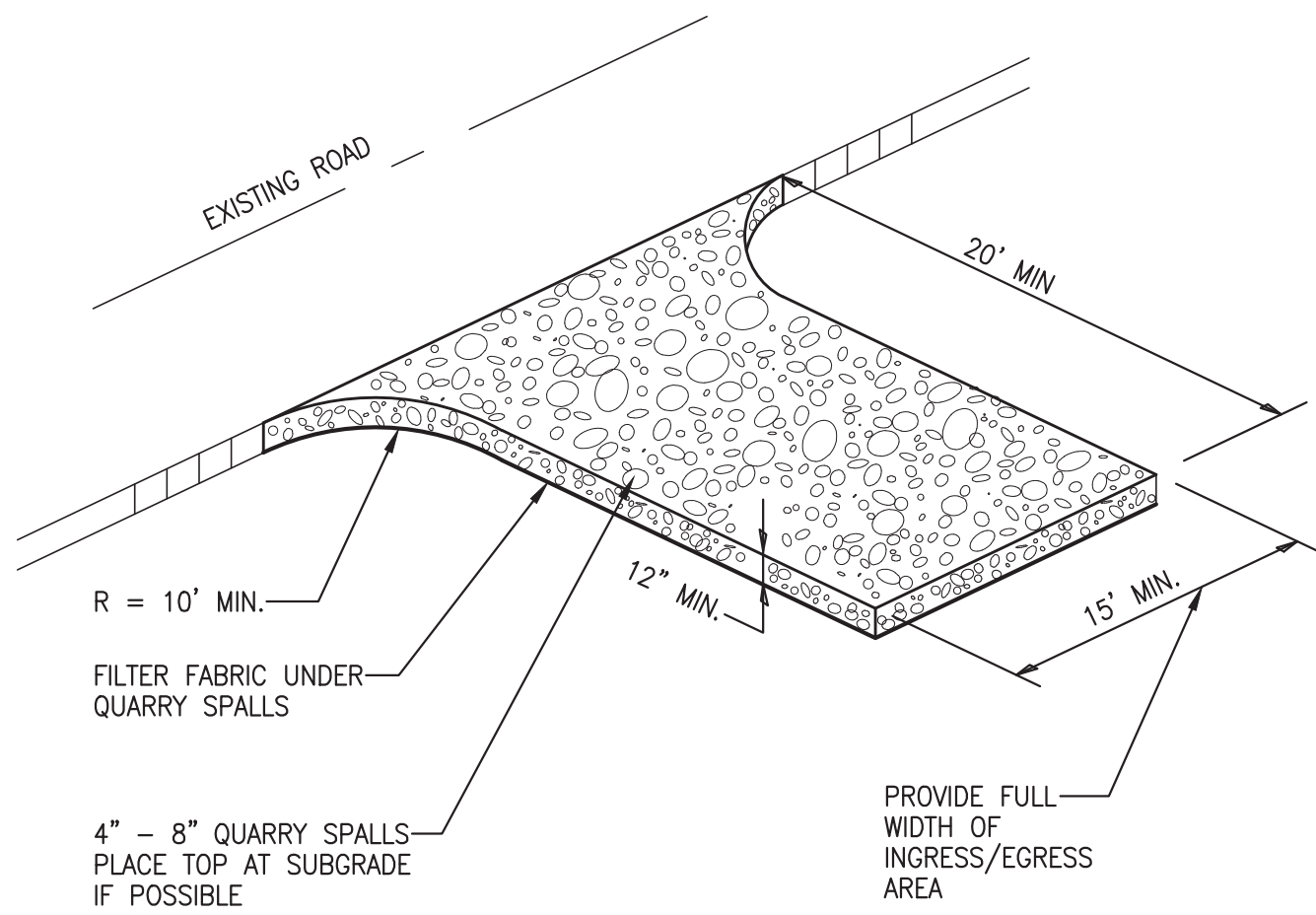
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HIAWATHA PLAYFIELD
PLAY AREA RENOVATION
DWC PLAN

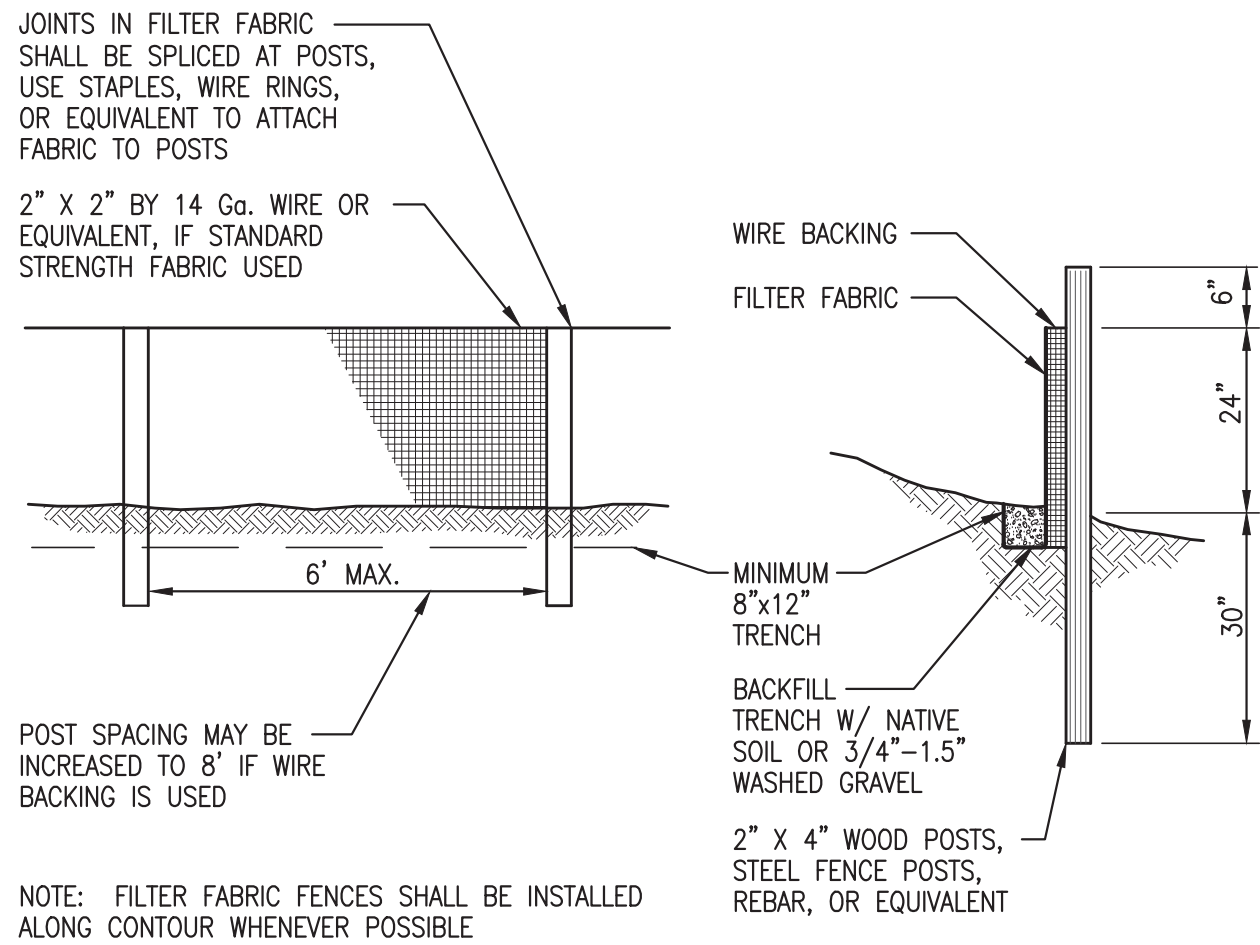
DESIGNED MEB
DRAWN MEB
CHECKED PMA
ORDINANCE NO. X
SPECIFICATION NO. X
SCALE 1" = 20'

DATE 5/10/2022
SHEET 8 OF 30
C3.1

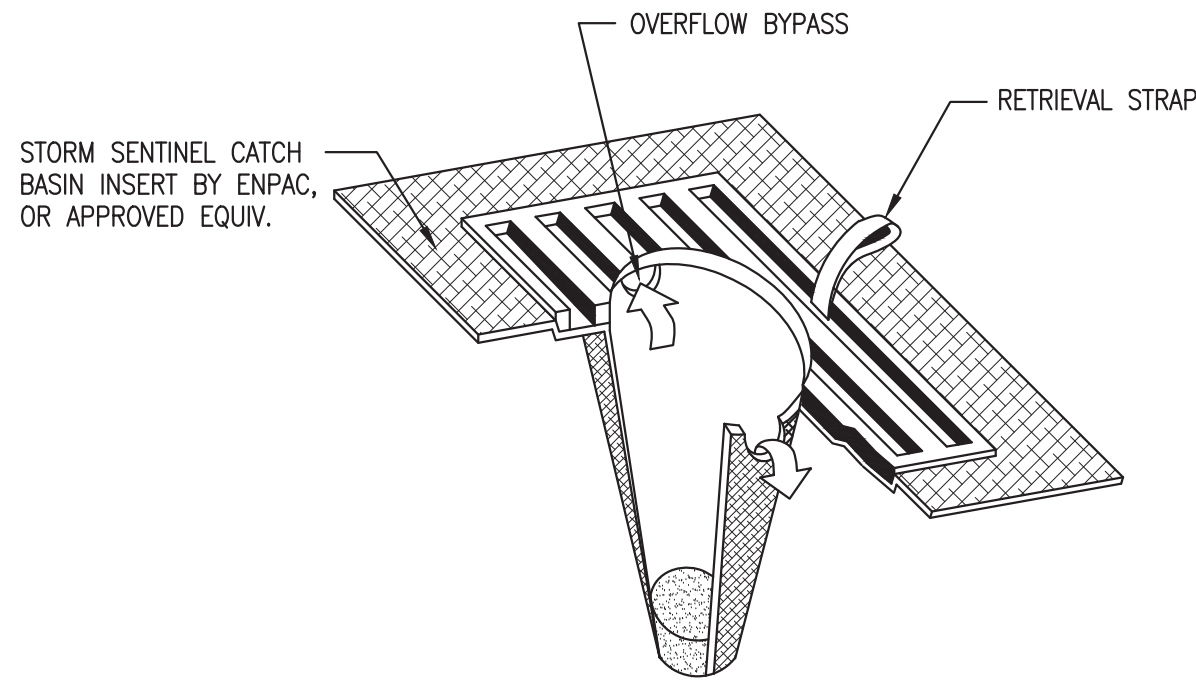
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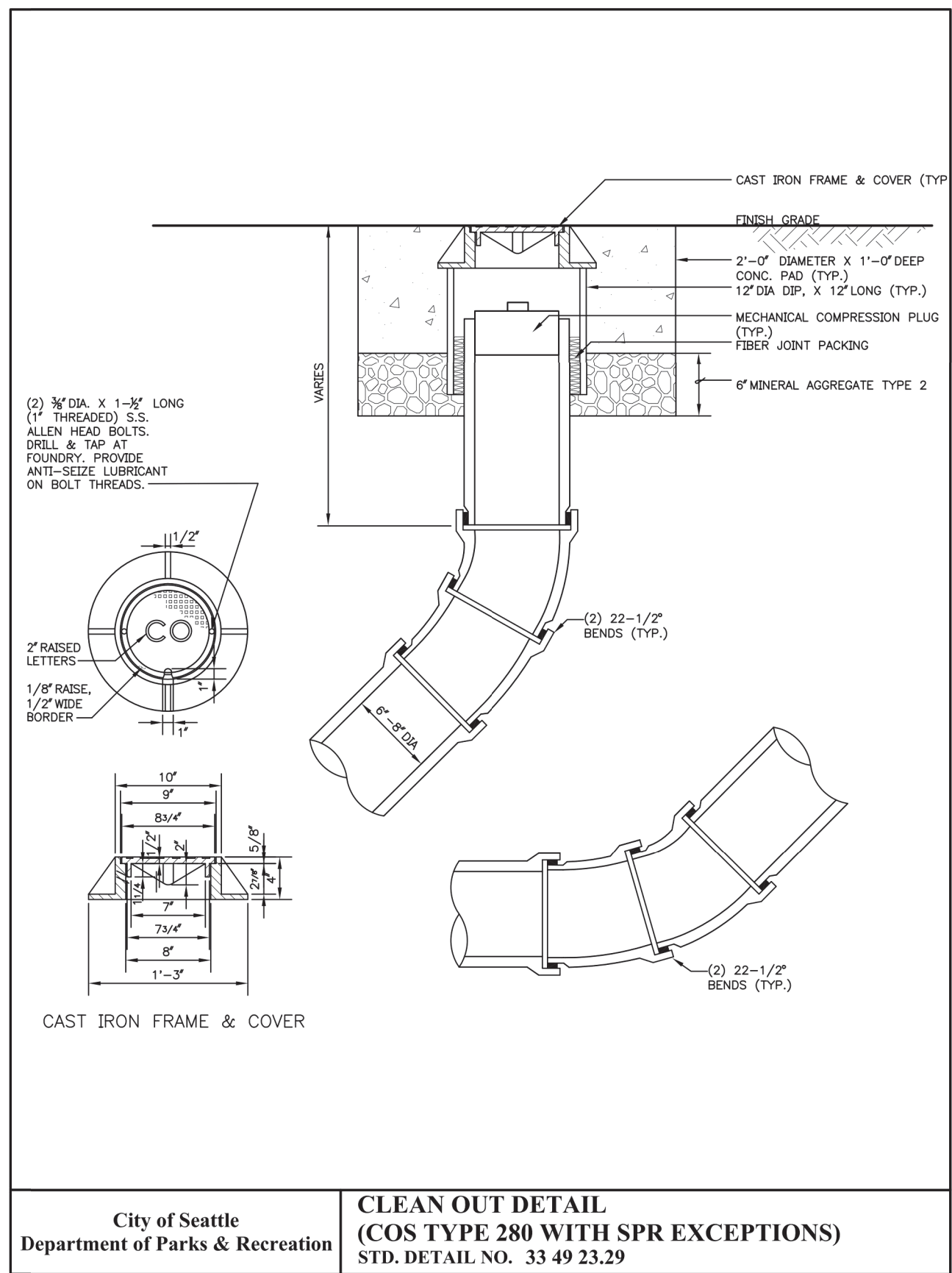
1 STABILIZED CONSTRUCTION ENTRANCE
C4.0 NTS



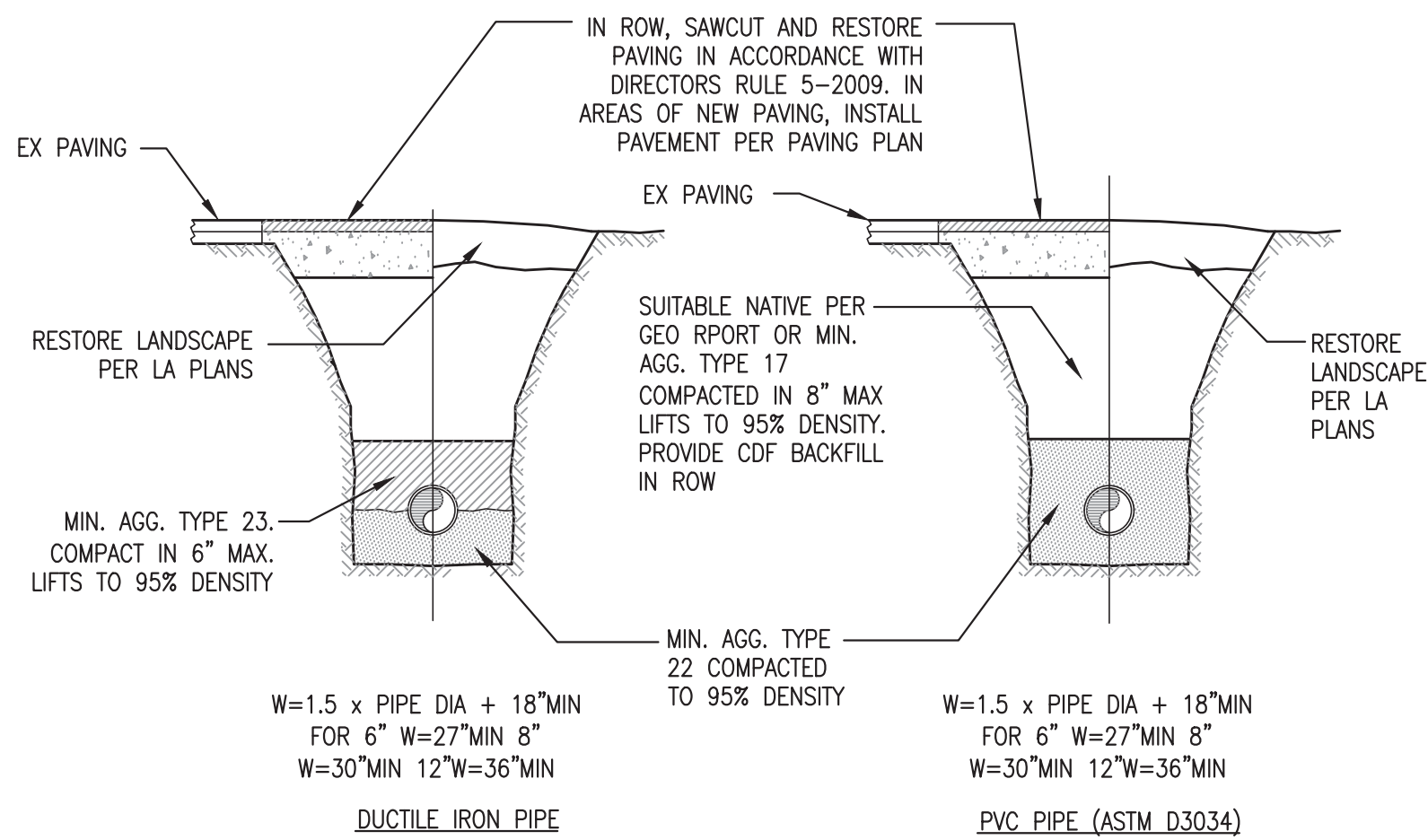
2 FILTER FABRIC FENCE
C4.0 NTS



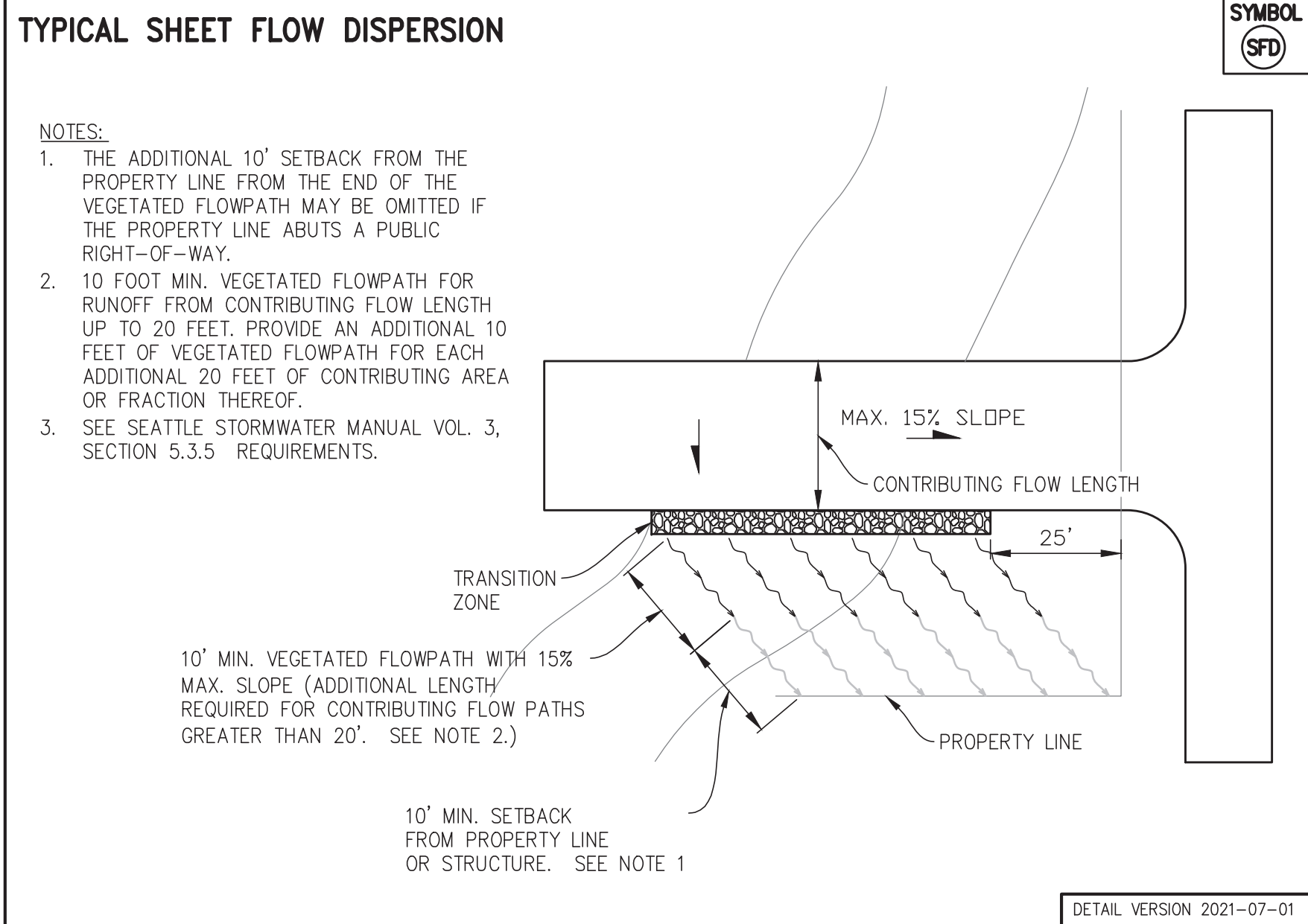
3 CATCH BASIN PROTECTION
C4.0 NTS



4 CLEANOUT
C4.0 NTS



5 TYPICAL TRENCH SECTION
C4.0 NTS



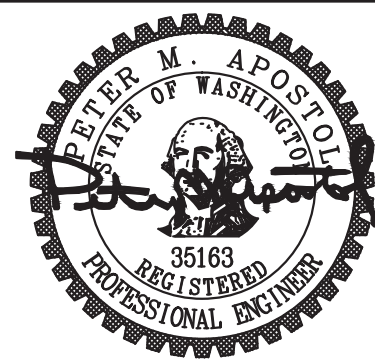
6 SHEET FLOW DISPERSION
C4.0 NTS

>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
BEFORE YOU DIG!
WWW.CALL811.COM
Also, verify all underground utilities not located by the
811 service by using a commercial location service and
call SPR Inspection Request Line (206) 684-7034.

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3	SPU COMMENTS	4/22/22
2	PERMIT CORRECTIONS #2	2/2/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION	DATE
	AS BUILT	

REVIEWED: PARK ENGINEER DATE
All work done in accordance with the City of Seattle Standard
Plans and Specifications in effect on the date shown above, and
supplemented by Special Provisions.

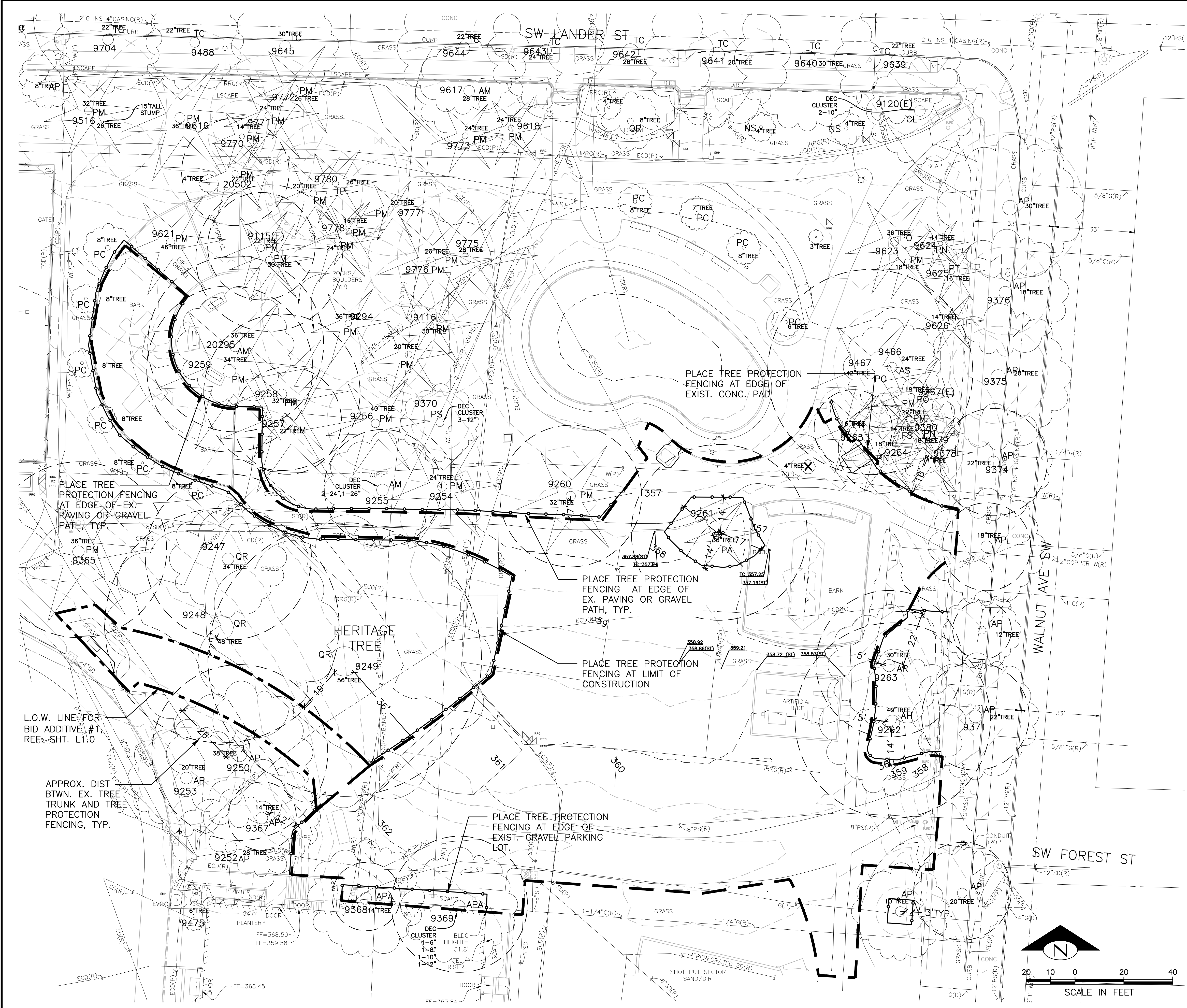
coterra
ENGINEERING PLLC
6413 Phinney Ave N
Seattle, Washington 98103
206.596.7115 coterraengineering.com



HIAWATHA PLAYFIELD
PLAY AREA RENOVATION
CIVIL DETAILS

DESIGNED MEB
DRAWN MEB
CHECKED PMA
ORDINANCE NO. X
SPECIFICATION NO. X
SCALE 1" = 20'

DATE 5/10/2022
SHEET 9 of 30
C4.0



TREE PROTECTION LEGEND

- LIMIT OF WORK (LOW), PLACE CONSTRUCTION FENCING AT LOW LINE
- LIMIT OF WORK (LOW) FOR ADDITIVE #1, PLACE CONSTRUCTION FENCING AT LOW LINE
- EXISTING TREE - PROTECT IN PLACE
- TREE SPECIES CODE, REF. TABLE BELOW
- DIAMETER AT BREAST HEIGHT (DBH) PER SURVEY
- CRITICAL ROOT ZONE (CRZ) MEASURED AS FOLLOWS: RADIUS OF CRZ MEASURES 1 FOOT PER 1 INCH OF DIAMETER DBH
- CRITICAL ROOT ZONE (CRZ) OF TREE IMPACTED BY CONSTRUCTION
- TREE INVENTORY ID NUMBER FOR EXCEPTIONAL TREES, SEE TREE INVENTORY TABLE, SHEET L0.1
- EXISTING TREE - REMOVE
- TREE PROTECTION FENCING

EXISTING TREE SPECIES CODE

CODE	BOTANICAL NAME	COMMON NAME
AH	AESCULUS HIPPOCASTANACEAE	HORSE CHESTNUT
AM	ARBUTUS MENZIESII	MADRONE
AP	ACER PSEUDOPLATANUS	SYCAMORE MAPLE
APA	ACER PALMATUM	JAPANESE MAPLE
AR	ACER RUBRUM	RED MAPLE
AS	ACER SACCHARUM 'COMMEMORATION'	SUGAR MAPLE COMMEMORATION
CN	CORNUS NUTALLII	PACIFIC DOGWOOD
CL	CRATAEGUS LAEVIGATA	WOODLAND HAWTHORN
FS	FAGUS SYLVATICA	COMMON BEECH
MS	MALUS SPP.	CRABAPPLE
NS	NYSSA SYLVATICA	TUPELO
PA	PICEA ABIES	NORWAY SPRUCE
PO	PINUS MONTICOLA	WESTERN WHITE PINE
PT	PINUS CONTORTA	LODGEPOLE PINE
PN	PINUS NIGRA	BLACK PINE
PC	PYRUS CALLERYANA	CALLERY PEAR
PS	PRUNUS SERRULATA	HILL CHERRY
PM	PSEUDOTSUGA MENZIESII	DOUGLAS FIR
TC	TILIA CORDATA	LITTLE-LEAF LINDEN
UC	UMBELLULARIA CALIFORNICA	CALIFORNIA BAY LAUREL

NOTES:

- SEE SHEET L0.1 FOR TREE INVENTORY TABLE
- SEE SHEET L0.2 FOR TREE PROTECTION NOTES AND DETAILS.

ATTESTATION FROM SEATTLE PARKS' ARBORIST:

To whom it may concern,

As the ISA Certified Arborist for Seattle Parks Urban Forestry, assigned to inspect the Tree Protection Plan for Hiawatha Park, I can attest that the plan is correct and approved and meets the standard for tree protection we desire. KK/LA has agreed to place tree protection out to the dripline wherever possible, and to place extra care when working around the many exceptional trees in this park during construction. Tree protection changes in the plan include the following:

- Shifting the Accessible path up to the track away from the 48" Red Oak
- Leaving all walls/curbs around existing play area to remain.
- Deleting the new paving north of the Spruce tree and increasing the mulch area around it.
- Moved south edge of asphalt paving north to give more space to Japanese Maples adjacent to building.

Sincerely, Mark Malone

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7		
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3		
2	PERMIT CORRECTIONS #2	02/03/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
PARK ENGINEER _____
All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.

Karen Kiest
Landscape Architects
111 west john street suite 306
seattle washington 98119
206 323 6032
www.kk-la.com



HIAWATHA PLAYFIELD	DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
PLAY AREA RENOVATION	DRAWN <u>CP</u>	SHEET <u>10</u> OF <u>30</u>
TREE PROTECTION PLAN	CHECKED <u>KK</u>	
	ORDINANCE NO. <u>X</u>	T0.0
	SPECIFICATION NO. <u>X</u>	
	SCALE <u>1" = 20'</u>	

TREE INVENTORY

TREE ID	TREE SPECIES		TREE TYPE	DBH	HEIGHT	CONDITION RATING*	EXCEPTIONAL
	(BOTANICAL NAME)	COMMON NAME					
9115	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	32	55		YES
9116	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	29	60		YES
9117	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	8	15		NO
9118	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	6	15		NO
9119	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	6	15		NO
9120	CRATAEGUS LAEVIGATA	WOODLAND HAWTHORN	DECIDUOUS	19	15		YES
9240	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	8	20		NO
9241	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	8	20		NO
9242	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	8	20		NO
9243	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	10	20		NO
9244	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	8	20		NO
9245	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	7	20		NO
9247	QUERCUS RUBRA	RED OAK	DECIDUOUS	30	50	GOOD	YES
9248	QUERCUS RUBRA	RED OAK	DECIDUOUS	41	50	GOOD	YES
9249	QUERCUS RUBRA	RED OAK	DECIDUOUS	57	50	GOOD	YES
9250	AESCULUS HIPPOCASTANUM	HORSE CHESTNUT	DECIDUOUS	36	50	GOOD	YES
9251	TILIA CORDATA	LITTLELEAF LINDEN	DECIDUOUS	18	30	GOOD	NO
9252	TILIA CORDATA	LITTLELEAF LINDEN	DECIDUOUS	27	40	GOOD	NO
9253	TILIA CORDATA	LITTLELEAF LINDEN	DECIDUOUS	14	35	GOOD	NO
9254	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	26	55	GOOD	NO
9255	ARBUTUS MENZIESII	PACIFIC MADRONE	BROADLEAF EVERGREEN	47	50	POOR	YES
9256	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	35	55		YES
9257	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	19	50		NO
9258	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	31	55		YES
9259	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	33	55		YES
9260	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	29	55		NO
9261	PICEA ABIES	EUROPEAN SPRUCE	CONIFEROUS	36	55	GOOD	YES
9262	AESCULUS HIPPOCASTANUM	HORSE CHESTNUT	DECIDUOUS	34	40	GOOD	YES
9263	ACER RUBRUM	RED MAPLE	DECIDUOUS	28	40	GOOD	YES
9264	PINUS NIGRA	BLACK PINE	CONIFEROUS	16	40		YES
9265	PINUS NIGRA	BLACK PINE	CONIFEROUS	17	40		YES
9266	PINUS NIGRA	BLACK PINE	CONIFEROUS	13	41		YES
9267	PINUS MONTICOLA	WESTERN WHITE PINE	CONIFEROUS	15	42		YES
9294	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	34	55		YES
9295	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	18	40		YES
9296	QUERCUS RUBRA	RED OAK	DECIDUOUS	6	20		NO
9297	NYSSA SYLVATICA	TUPELO	DECIDUOUS	3	10		NO
9298	NYSSA SYLVATICA	TUPELO	DECIDUOUS	5	15		NO
9365	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	36	50		YES
9367	CORNUS FLORIDA	FLOWERING DOGWOOD	DECIDUOUS	2	10	FAIR	NO
9368	ACER PALMATUM	JAPANESE MAPLE	DECIDUOUS	28	35	FAIR	YES
9369	ACER PALMATUM	JAPANESE MAPLE	DECIDUOUS	28	35	FAIR	YES
9370	PRUNUS SERRULATA	HILL CHERRY	DECIDUOUS	37	20		YES
9371	ACER PSEUDOPLATANUS	SYCAMORE MAPLE	DECIDUOUS	24	25		YES
9372	ACER PSEUDOPLATANUS	SYCAMORE MAPLE	DECIDUOUS	11	25		NO
9373	ACER PSEUDOPLATANUS	SYCAMORE MAPLE	DECIDUOUS	18	25		NO
9374	ACER PSEUDOPLATANUS	SYCAMORE MAPLE	DECIDUOUS	21	25		YES
9375	ACER PSEUDOPLATANUS	SYCAMORE MAPLE	DECIDUOUS	20	25		YES
9376	ACER PSEUDOPLATANUS	SYCAMORE MAPLE	DECIDUOUS	18	25		YES

* PROVIDED BY MARK MALONE, PARKS ARBORIST IN UPDATED INVENTORY DATED 11/30/21

TREE ID	TREE SPECIES		TREE TYPE	DBH	HEIGHT	CONDITION RATING*	EXCEPTIONAL
	(BOTANICAL NAME)	COMMON NAME					
9377	ACER PSEUDOPLATANUS	SYCAMORE MAPLE	DECIDUOUS	22	25		NO
9378	PINUS NIGRA	BLACK PINE	CONIFEROUS	15	40		YES
9379	PINUS NIGRA	BLACK PINE	CONIFEROUS	16	40		YES
9380	FAGUS SYLVATICA	COMMON BEECH	DECIDUOUS	13	35		YES
9466	ACER SACCHARUM 'COMMEMORATION'	SUGAR MAPLE 'COMMEMORATION'	DECIDUOUS	25	45		YES
9467	PINUS MONTICOLA	WESTERN WHITE PINE	CONIFEROUS	36	55		YES
9488	TILIA CORDATA	LITTLE LEAF LINDEN	DECIDUOUS	21	30		YES
9516	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	25	50		YES
9614	CORNUS FLORIDA	FLOWERING DOGWOOD	DECIDUOUS	4	10		NO
9615	CORNUS FLORIDA	FLOWERING DOGWOOD	DECIDUOUS	4	10		NO
9616	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	31	55		YES
9617	ACER MACROPHYLLUM	BIGLEAF MAPLE	DECIDUOUS	28	50		YES
9618	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	24	50		YES
9619	SORBUS AUCUPARIA	EUROPEAN MOUNTAIN ASH	DECIDUOUS	14	25		YES
9620	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	4	15		NO
9621	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	46	65		YES
9622	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	6	15		NO
9623	PINUS MONTICOLA	WESTERN WHITE PINE	CONIFEROUS	34	55		YES
9624	PINUS NIGRA	BLACK PINE	CONIFEROUS	15	40		YES
9625	PINUS CONTORTA	LOGGEPOLE PINE	CONIFEROUS	17	30		YES
9626	PINUS CONTORTA	LOGGEPOLE PINE	CONIFEROUS	15	30		YES
9628	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	5	15	FAIR	NO
9639	TILIA CORDATA	LITTLE LEAF LINDEN	DECIDUOUS	27	40		YES
9640	TILIA CORDATA	LITTLE LEAF LINDEN	DECIDUOUS	28	35		YES
9641	TILIA CORDATA	LITTLE LEAF LINDEN	DECIDUOUS	27	40		YES
9642	TILIA CORDATA	LITTLE LEAF LINDEN	DECIDUOUS	32	40		YES
9643	TILIA CORDATA	LITTLE LEAF LINDEN	DECIDUOUS	20	35		YES
9644	TILIA CORDATA	LITTLE LEAF LINDEN	DECIDUOUS	20	30		YES
9645	TILIA CORDATA	LITTLE LEAF LINDEN	DECIDUOUS	29	35		YES
9704	TILIA CORDATA	LITTLE LEAF LINDEN	DECIDUOUS	24	35		YES
9719	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	30	55		YES
9769	CORNUS FLORIDA	FLOWERING DOGWOOD	DECIDUOUS	6	10		NO
9770	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	13	25		YES
9771	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	24	50		YES
9772	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	25	55		YES
9773	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	22	50		YES
9774	CORNUS KOUSA	KOUSA DOGWOOD	DECIDUOUS	4	10		NO
9775	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	26	50		YES
9776	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	25	50		YES
9777	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	19	45		YES
9778	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	16	35		YES
9779	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	29	55		YES
9780	THUJA PLICATA	WESTERN RED CEDAR	CONIFEROUS	26	50		YES
9781	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	25	50		YES
9782	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	22	50		YES
9783	PINUS MONTICOLA	WESTERN WHITE PINE	CONIFEROUS	18	35		YES
20295	ARBUTUS MENZIESII	PACIFIC MADRONE	BROADLEAF EVERGREEN	35	50		YES
20501	PYRUS CALLERYANA	CALLERY PEAR	DECIDUOUS	3	10		NO
20502	PSEUDOTSUGA MENZIESII	DOUGLAS FIR	CONIFEROUS	25	50		YES

>>>>CAUTION - CALL 811<<<<
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2	PERMIT CORRECTIONS #2	02/03/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION — AS BUILT	DATE

REVIEWED: _____ DATE _____
PARK ENGINEER

All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.

Karen Kiest
Landscape Architects
111 west john street suite 306
seattle washington 98119
206 323 6032
www.kk-la.com



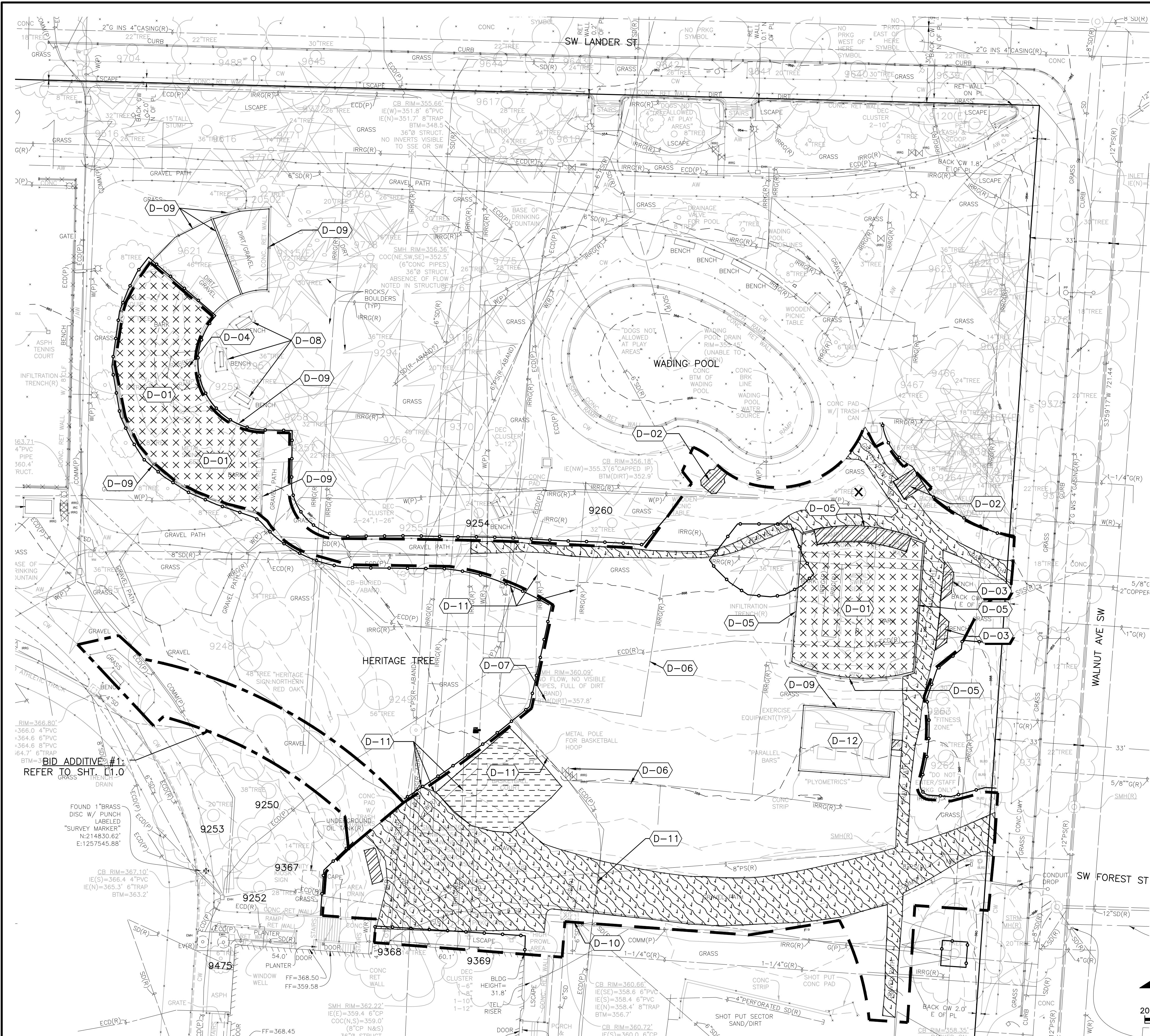
HIAWATHA PLAYFIELD
PLAY AREA RENOVATION
TREE INVENTORY

DESIGNED <u>KK/CP</u>
DRAWN <u>CP</u>
CHECKED <u>KK</u>
ORDINANCE NO. <u>X</u>
SPECIFICATION NO. <u>X</u>
SCALE <u>1" = 20'</u>

DATE 05/10/2022

SHEET 11 of 30

T1.0

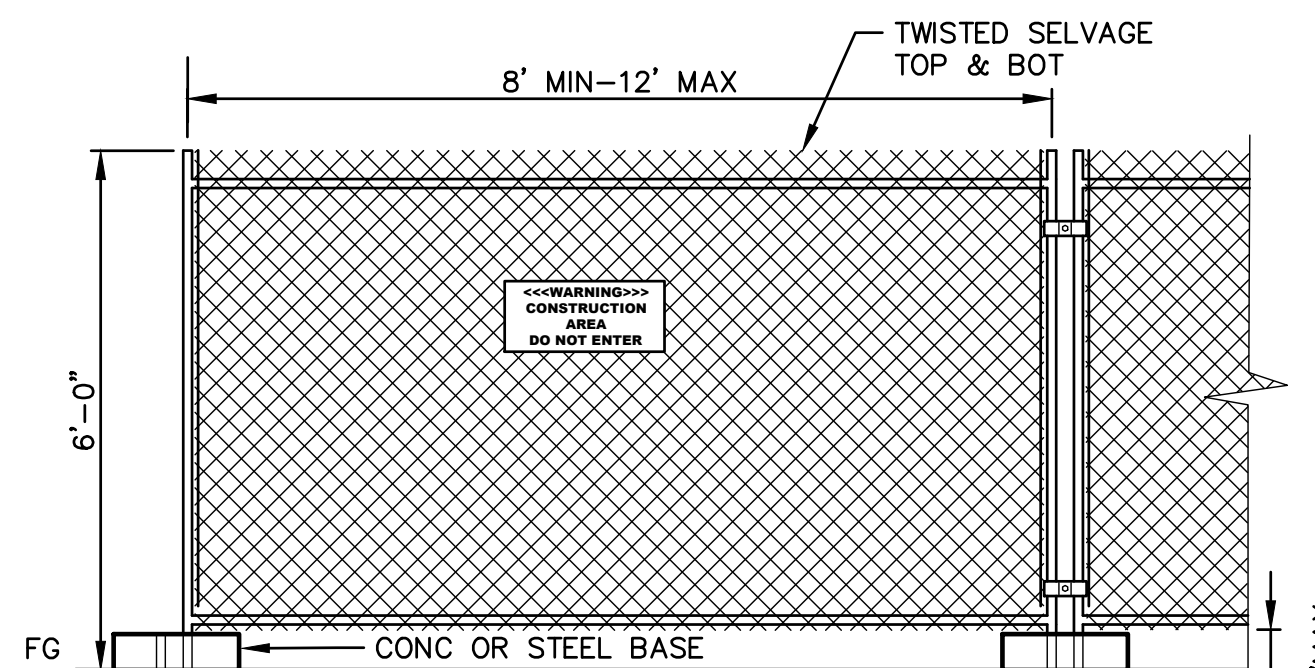


DEMOLITION NOTES:

- PROTECT ALL FACILITIES NOT IDENTIFIED FOR DEMOLITION INCLUDING BUT NOT LIMITED TO: BURIED ELECTRICAL LINES, IRRIGATION SYSTEM, STORM SEWER LINES, CATCH BASINS, TREES, FENCING, FURNITURE, ETC.
1. SALVAGEABLE OR RE-USABLE ITEMS ENCOUNTERED IN THE FIELD BUT NOT IDENTIFIED ON THIS PLAN SHALL BE OFFERED TO THE ENGINEER FOR SALVAGE PRIOR TO DISPOSAL. IF DECLINED BY ENGINEER, ALL DEMOLISHED ITEMS SHALL BE DISPOSED OF LEGALLY OFF SITE.
 2. KEEP ALL WALKWAYS CLEAR AND FREE OF DEBRIS. VEGETATED AND PAVED SURFACES THAT ARE DAMAGED DURING CONSTRUCTION SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AT NO COST TO THE ENGINEER.
 3. COORDINATE DEMOLITION OF ELECTRICAL, LIGHTING AND IRRIGATION SYSTEM ELEMENTS WITH NEW ELECTRICAL, LIGHTING AND IRRIGATION SYSTEMS PER PLANS AND SPECIFICATIONS.
 4. DEMOLISH ONLY TO EXTENT REQUIRED TO ACCOMMODATE THE WORK OF THE CONTRACT.
 5. SEE IRRIGATION PLAN FOR MORE INFORMATION ABOUT EXISTING IRRIGATION.

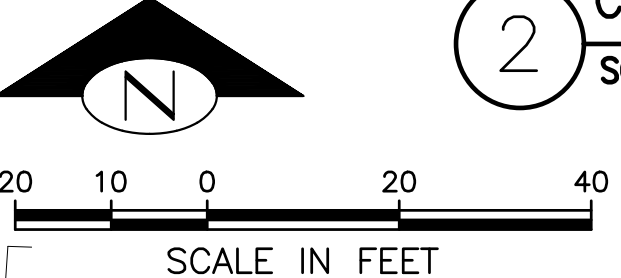
DEMOLITION SCHEDULE

SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
D-01	DEMOLISH PLAY EQUIPMENT AND FOOTINGS	[Pattern]	REMOVE GRAVEL TO SUBGRADE
D-02	DEMOLISH PICNIC TABLE AND CONCRETE PAD	[Pattern]	DEMOLISH AND REMOVE CONCRETE
D-03	REMOVE BENCH, RETURN TO SEATTLE PARKS SHOPS DEMOLISH CONCRETE PAD	[Pattern]	DEMOLISH AND REMOVE ASPHALT
D-04	DEMOLISH RUBBER RAMP	[Pattern]	REMOVE WOOD CHIPS TO SUBGRADE
D-05	DEMOLISH CONCRETE CURB/WALL		
D-06	DEMOLISH IRRIGATION EQUIPMENT (LATERAL LINES, SPRAYHEADS AND VALVES)		
D-07	CUT AND CAP IRRIGATION LINE	---	LIMIT OF WORK (LOW), -- PLACE CONSTRUCTION FENCING AT LOW LINE
D-08	PROTECT SITE FURNITURE AND CONC. PAD		
D-09	PROTECT CONCRETE CURB/ WALL		-- CLEAR AND GRUB ALL WITH EXCEPTION OF TREE PROTECTION AREAS
D-10	PROTECT CATCH BASIN		
D-11	PROTECT EXIST. IRRIGATION MAINLINE IN PLACE WHERE POSSIBLE. PROVIDE SLEEVE WHERE UNDER NEW PAVING. IF MAINLINE CANNOT BE PROTECTED BEFORE NEW IRRIGATION CAN BE INSTALLED, TEMPORARY WATER CONNECTION MUST BE PROVIDED TO ENSURE EXIST. IRRIGATION SYTEM CAN FUNCTION PROPERLY	---	LIMIT OF WORK (LOW) FOR BID ADDITIVE #1, SEE L1.0
D-12	PROTECT FITNESS EQUIPMENT, SYTHETIC TURF SURFACING AND SURROUNDING CONCRETE CURB IN PLACE -- PROVIDE CONSTRUCTION FENCING	[Symbol]	TREE PROTECTION FENCING, SEE L0.0



- NOTES:
1. CHAIN LINK FABRIC TO BE MIN. 11 GAUGE, GALVANIZED. NO RUSTED OR EXCESSIVELY MALFORMED FABRIC.
 2. FENCE BASES SHALL BE OF SUFFICIENT WEIGHT and/or SPREAD TO ADEQUATELY SUPPORT EACH PANEL.
 3. PANEL-TO-PANEL CONNECTIONS SHALL BE MADE AT A MIN. TWO LOCATIONS PER CONNECTION UNLESS OTHERWISE APPROVED.
 4. PROVIDE CONSTRUCTION WARNING SIGNAGE 50' O.C. ALONG FENCING INSTALLATION.

2 CONSTRUCTION FENCING
SCALE: 3/8" = 1'=0"



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1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION -- AS BUILT	DATE

REVIEWED: _____ DATE _____

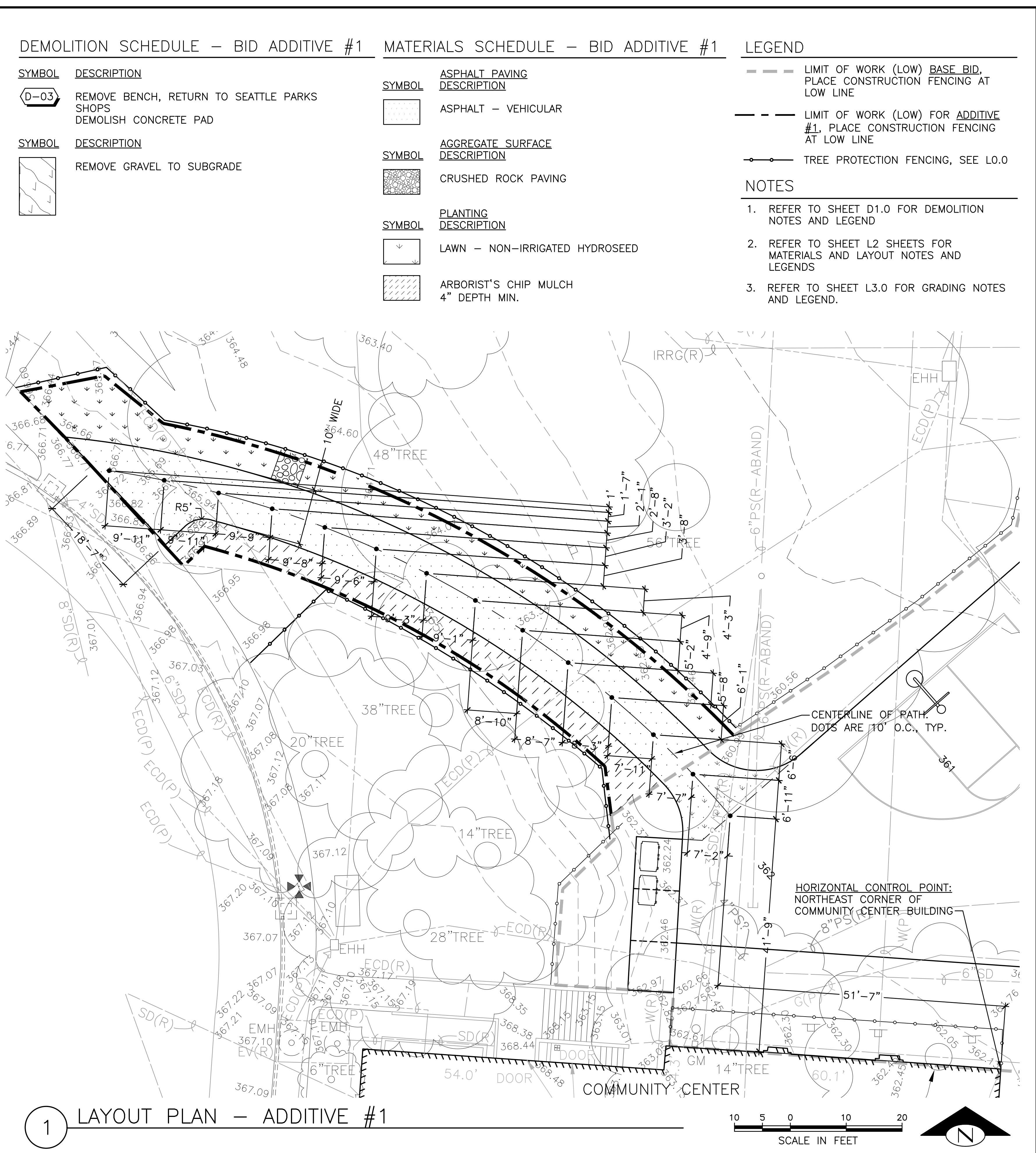
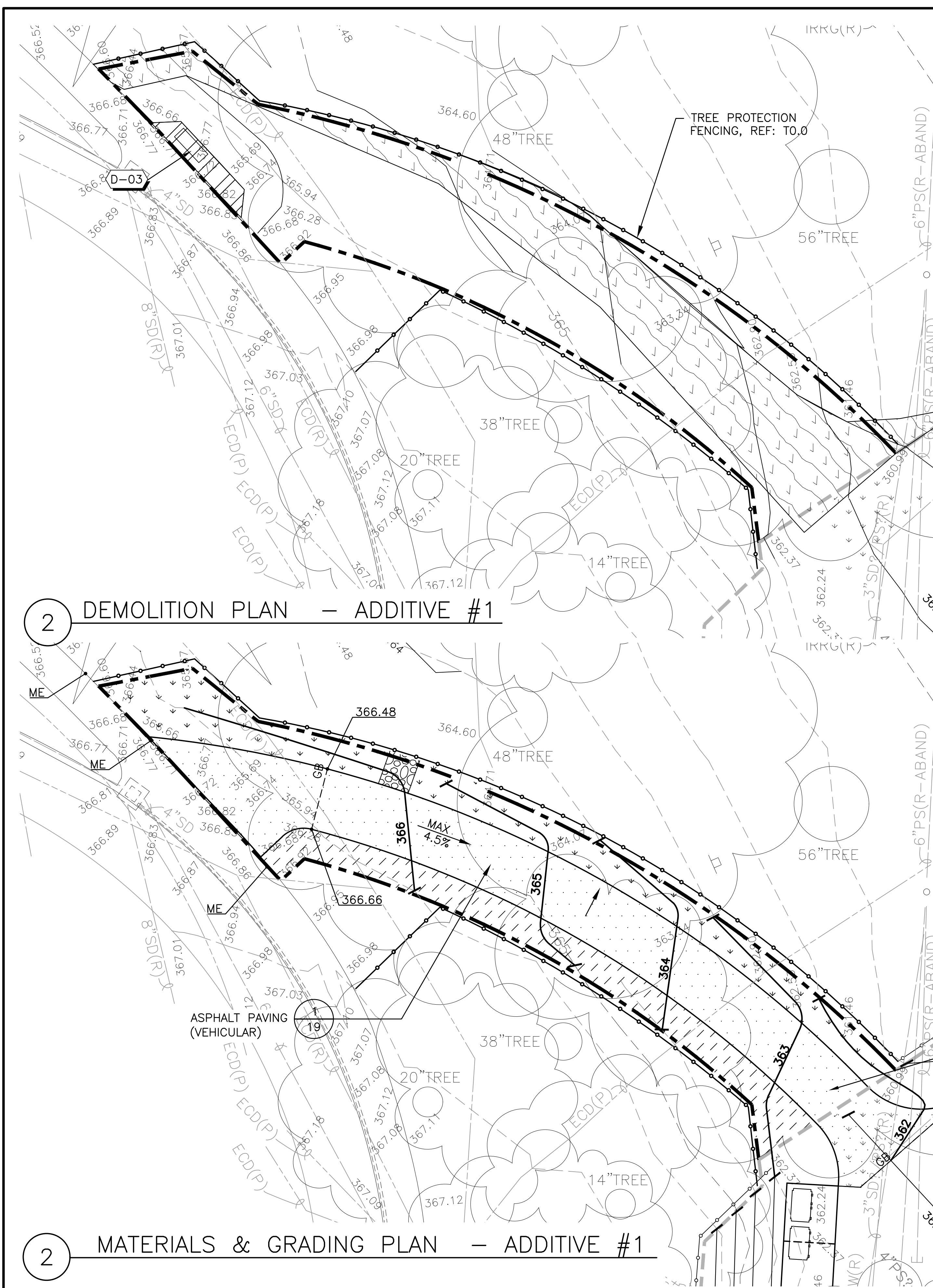
PARK ENGINEER _____

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Karen Kiest
Landscape Architects

111 west john street suite 306
seattle washington 98119
206 323 6032
www.kk-la.com

HIAWATHA PLAYFIELD	DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
PLAY AREA RENOVATION	DRAWN <u>CP</u>	SHEET <u>13</u> of <u>30</u>
DEMOLITION PLAN	CHECKED <u>KK</u>	
	ORDINANCE NO. <u>X</u>	D1.0
	SPECIFICATION NO. <u>X</u>	
	SCALE <u>1" = 20'</u>	



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NO.	REVISION - AS BUILT	DATE

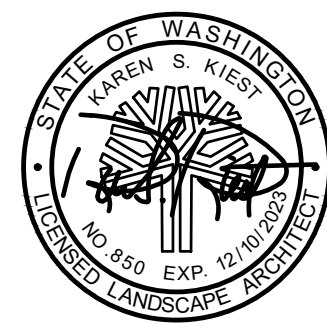
REVIEWED: _____ DATE _____

PARK ENGINEER _____


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Karen Kiest
Landscape Architects

111 west john street suite 306
seattle washington 98119
206 323 6032
www.kk-la.com



STATE OF WASHINGTON
KAREN S. KEST
LANDSCAPE ARCHITECT
NO. 849 EXP. 12/31/2025



Seattle
Parks & Recreation

HIAWATHA PLAYFIELD

PLAY AREA RENOVATION

BID ADDITIVE #1 PLANS

DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
DRAWN <u>CP</u>	
CHECKED <u>KK</u>	SHEET <u>14</u> of <u>30</u>
ORDINANCE NO. <u>X</u>	L1.0
SPECIFICATION NO. <u>X</u>	
SCALE <u>1" = 20'</u>	

MATERIALS SCHEDULE – BID ALTERNATE #4

SYMBOL PLANTING DESCRIPTION

ARBORIST'S CHIP MULCH
4" DEPTH MIN.

SYMBOL PLANTING ACCESSORIES DESCRIPTION

PLAY AREA SYNTHETIC GRASS SURFACING
SEE SPECS

LAYOUT LEGEND

SYMBOL DESCRIPTION
A+ CENTER OF CIRCLE/ARC
CIRCLE/ARC IDENTIFIER
CORRESPONDING CIRCLE/ARC
R13' RADIUS

ALIGN

GRADING LEGEND

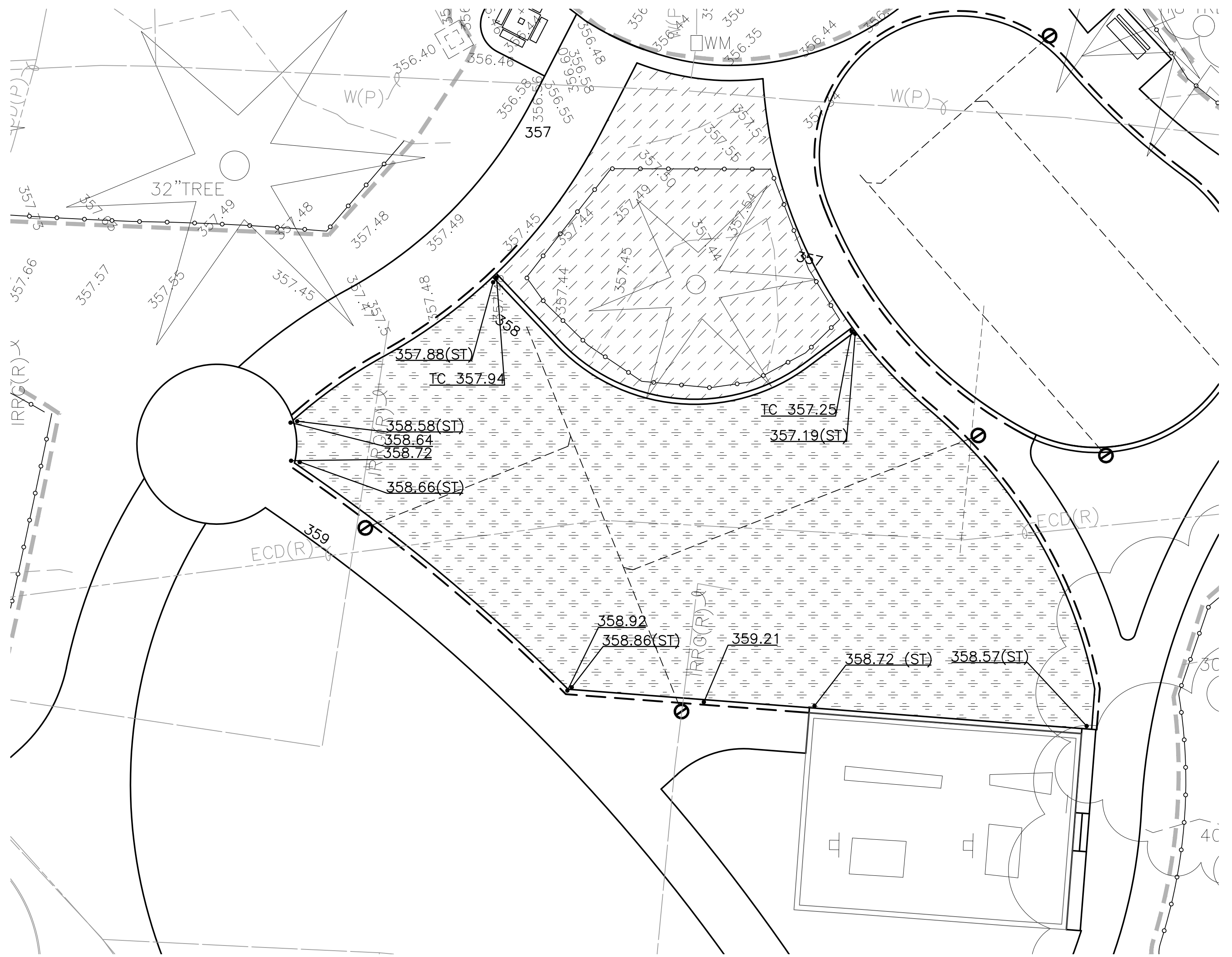
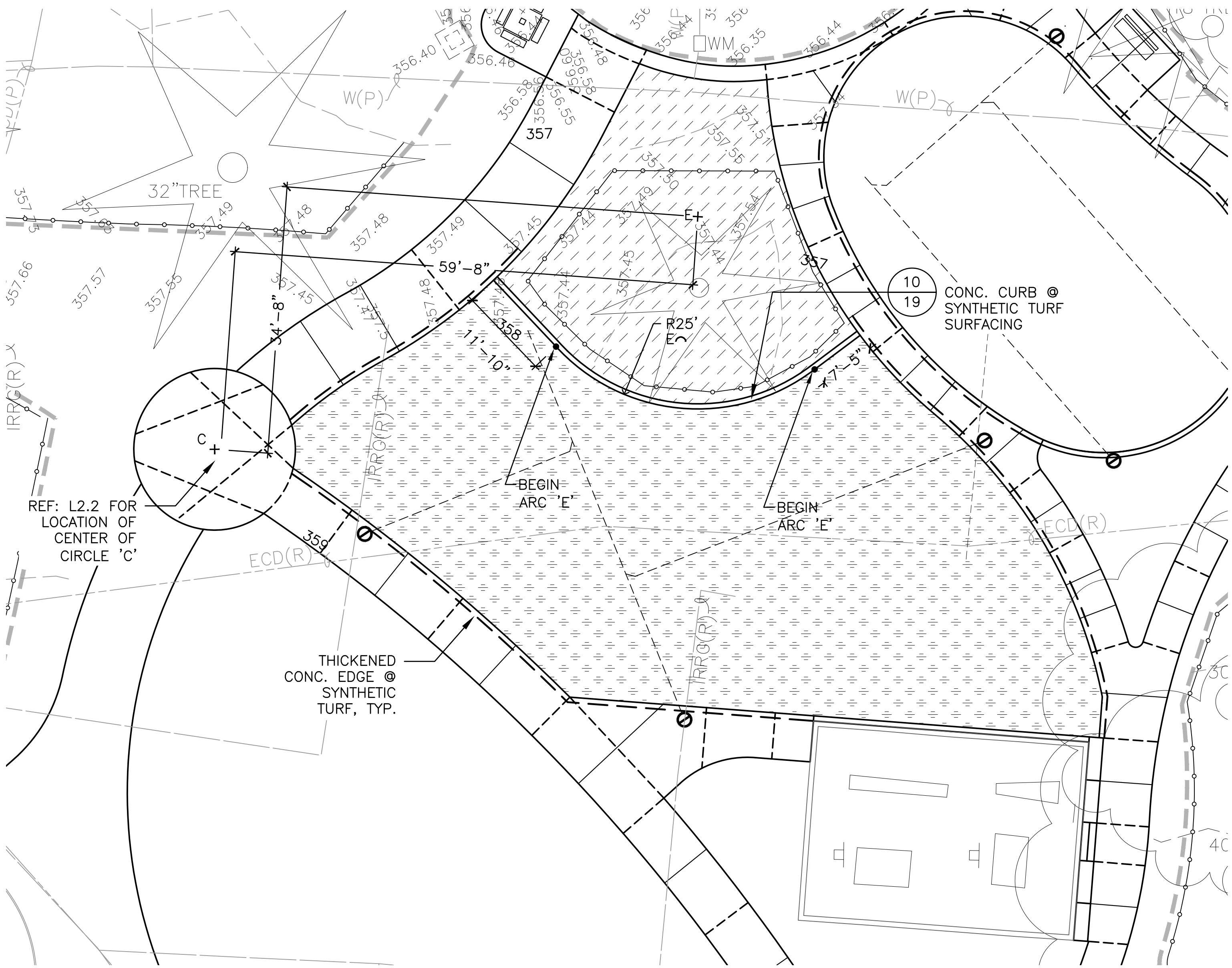
BW BOTTOM OF WALL
EWFS ENGINEERED WOOD FIBER SURFACING
GB GRADE BREAK
ME MATCH EXISTING
TC TOP OF CURB
TW TOP OF WALL
2.0% SLOPE
ST SYNTHETIC TURF

LEGEND

--- LIMIT OF WORK (LOW) BASE BID, PLACE CONSTRUCTION FENCING AT LOW LINE
--- LIMIT OF WORK (LOW) FOR ADDITIVE #1, PLACE CONSTRUCTION FENCING AT LOW LINE
--- TREE PROTECTION FENCING, SEE L0.0

NOTES

1. REFER TO SHEET D1.0 FOR DEMOLITION NOTES AND LEGEND
2. REFER TO SHEET L2 SHEETS FOR MATERIALS AND LAYOUT NOTES AND LEGENDS
3. REFER TO SHEET L3.0 FOR GRADING NOTES, LEGEND AND GRADING FOR REMAINDER OF SITE.



1 MATERIALS & LAYOUT PLAN – BID ALTERNATE #4

2 GRADING PLAN – BID ALTERNATE #4



>>>>CAUTION - CALL 811<<<<
UTILITY NOTIFICATION CENTER
BEFORE YOU DIG!
WWW.CALL811.COM

Also, verify all underground utilities not located by the
811 service by using a commercial location service and
call SPR Inspection Request Line (206) 684-7034.

7		
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2	PERMIT CORRECTIONS #2	02/03/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION – AS BUILT	DATE

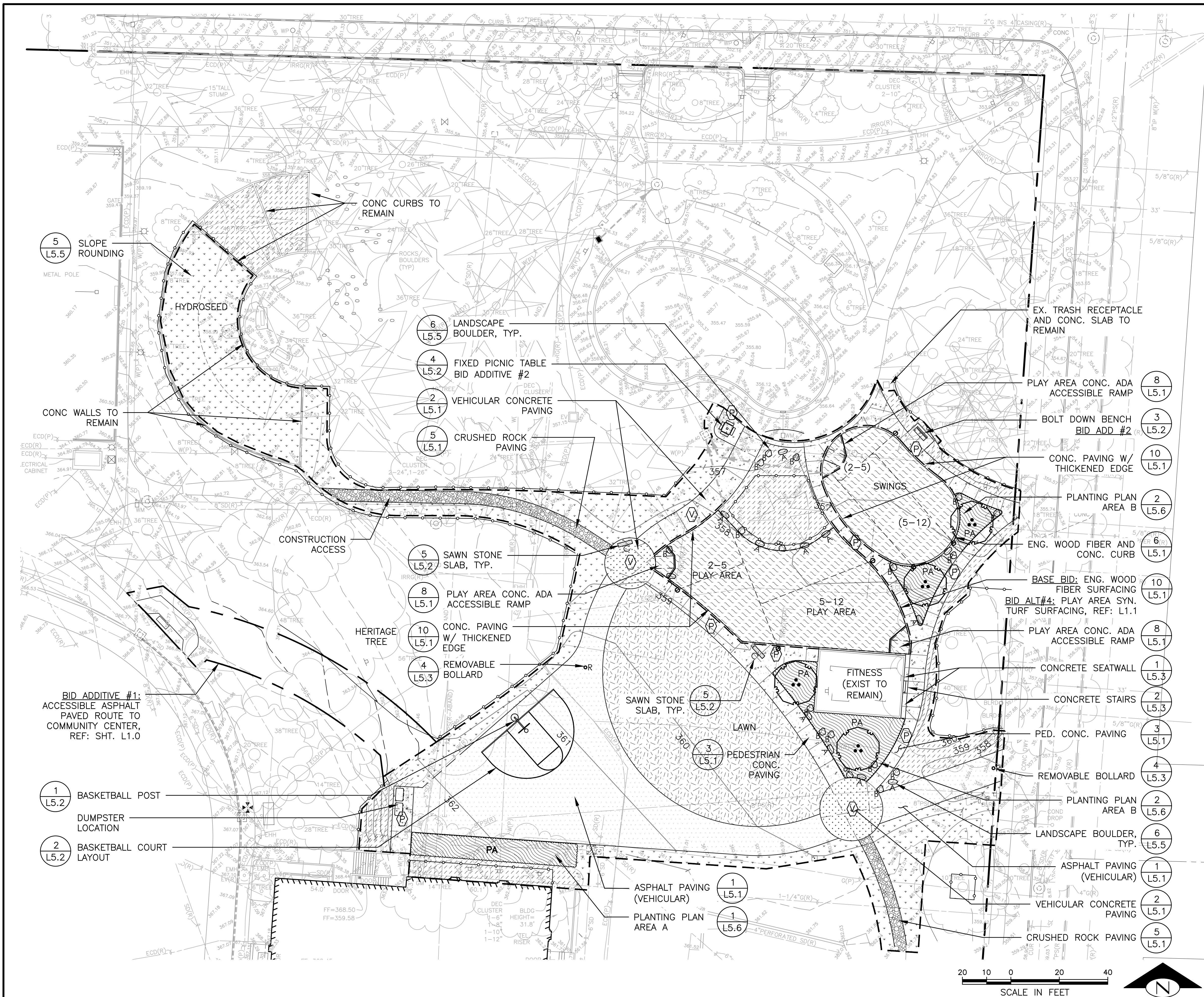
REVIEWED: PARK ENGINEER DATE
All work done in accordance with the City of Seattle Standard
Plans and Specifications in effect on the date shown above, and
supplemented by Special Provisions.

Karen Kiest
Landscape Architects
111 west john street suite 306
seattle washington 98119
206 323 6032
www.kk-la.com



HIAWATHA PLAYFIELD
PLAY AREA RENOVATION
BID ALTERNATE #4 PLANS

DESIGNED KK/CP	DATE 05/10/2022
DRAWN CP	
CHECKED KK	SHEET 15 of 30
ORDINANCE NO. X	L1.1
SPECIFICATION NO. X	
SCALE 1" = 20'	



MATERIAL PLAN NOTES:
1. RESTORE ALL DISTURBED LAWN AREA TO HYDROSEED PER PLAN.
2. PLAY EQUIPMENT FURNISHED BY OWNER, INSTALLED BY CONTRACTOR.
3. REFER TO DETAILS SHEETS FOR MORE INFORMATION.
4. SUBMIT ALL PRODUCT INFORMATION TO ENGINEER PRIOR TO PROCUREMENT.

MATERIALS SCHEDULE

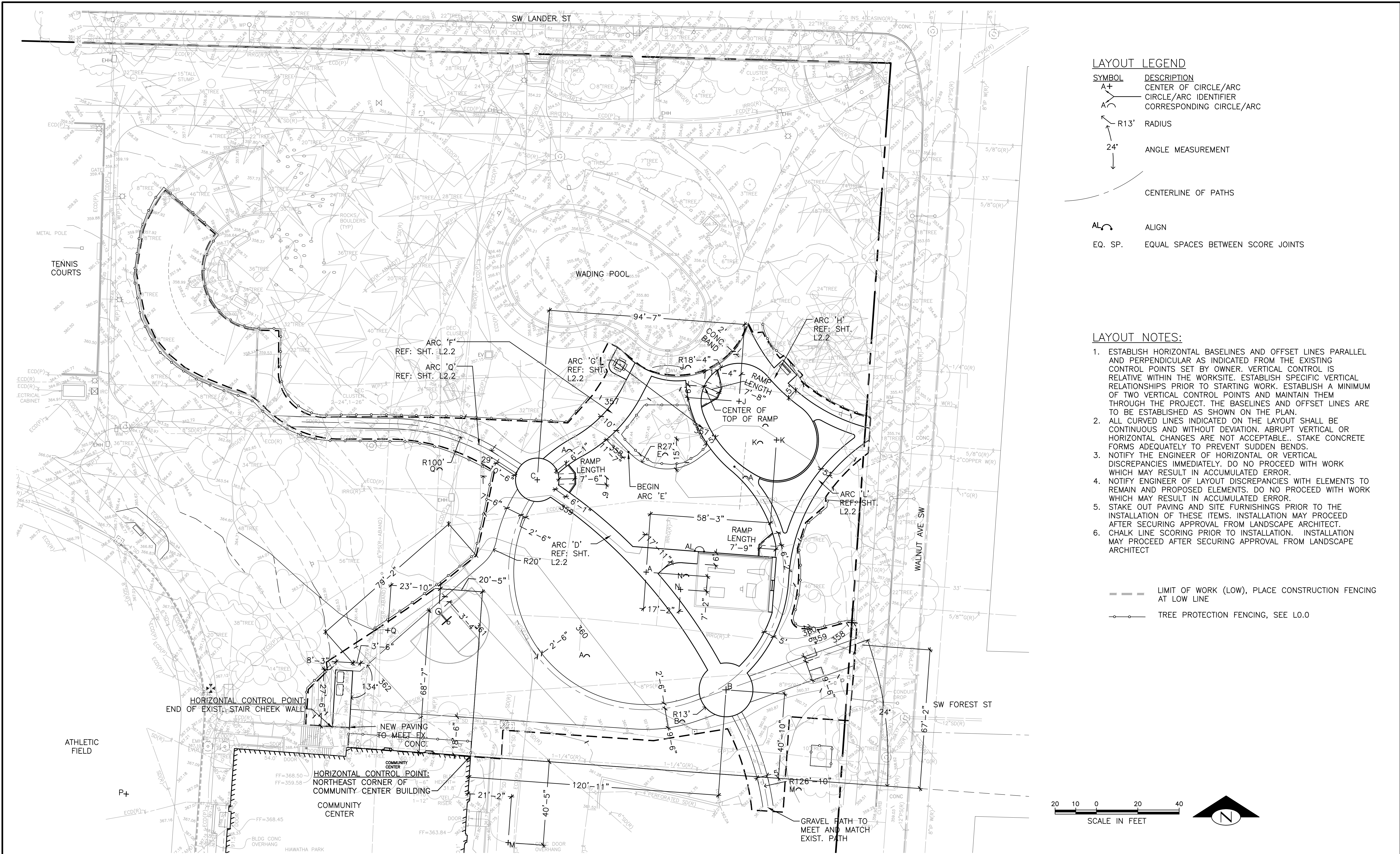
CONCRETE PAVING	
SYMBOL	DESCRIPTION
	CONCRETE – PEDESTRIAN
	CONCRETE – VEHICULAR
ASPHALT PAVING	
SYMBOL	DESCRIPTION
	ASPHALT – VEHICULAR
CONCRETE PAVING	
SYMBOL	DESCRIPTION
	LIGHT SANDBLAST FINISH – SAND-COATED EXP. JOINTS – DEEP TOOLED SCORE JOINTS PER PLAN, NO SHINERS
	INDICATES THICKENED EDGE, REF: DTL 10/L5.1 EXPOSED AGGREGATE FINISH – SAND COATED EXP. JOINTS – DEEP TOOLED JOINTS
AGGREGATE SURFACE	
SYMBOL	DESCRIPTION
	CRUSHED ROCK PAVING
ATHLETIC AND RECREATIONAL PAVING	
SYMBOL	DESCRIPTION
	ENGINEERED WOOD FIBER SURFACING
PLANTING	
SYMBOL	DESCRIPTION
	LAWN – IRRIGATED HYDROSEED
	LAWN – NON-IRRIGATED HYDROSEED
	ARBORIST'S CHIP MULCH 4" DEPTH MIN.
	PLANTING AREA: REF: L5.5, PLANTING PLAN

STONE SCHEDULE

SYMBOL	DESCRIPTION	QTY
	5-MAN BOULDERS MIN. (4000-7000 LBS)	12
	3-MAN BOULDERS MIN. (2000-3000 LBS)	21
	SAWN STONE SLAB 2'WX6' LX18"H SAWN BOTTOM GRANITE SLAB	2 <u>BID ADDITIVE #2</u>

SITE FURNISHINGS SCHEDULE

SYMBOL	DESCRIPTION	QTY
	BENCH – OLMSTED (EX. TO BE REPAIRED BY PARKS SHOPS)	1 <u>BID ADDITIVE #2</u>
	PICNIC TABLE – FIXED	1 <u>BID ADDITIVE #2</u>
	BOLLARD – REMOVABLE	2
	LIMIT OF WORK (LOW), PLACE CONSTRUCTION FENCING AT LOW LINE	
	LIMIT OF WORK (LOW) FOR <u>ADDITIVE #1</u> , PLACE CONSTRUCTION FENCING AT LOW LINE	
	TREE PROTECTION FENCING, SEE L0.0	



LAYOUT LEGEND

SYMBOL DESCRIPTION
A+ CENTER OF CIRCLE/ARC
CIRCLE/ARC IDENTIFIER
CORRESPONDING CIRCLE/ARC

R13' RADIUS
24' ANGLE MEASUREMENT

CENTERLINE OF PATHS

ALIGN


EQ. SP. EQUAL SPACES BETWEEN SCORE JOINTS

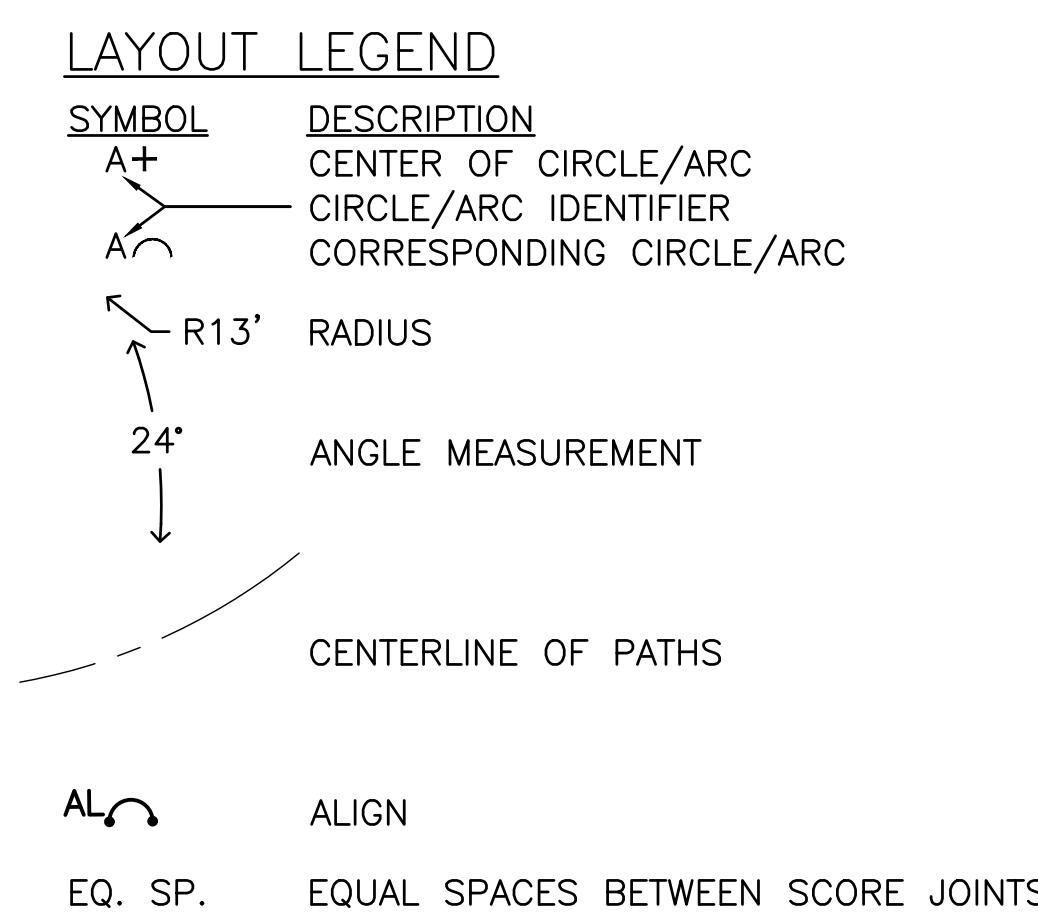
LAYOUT NOTES:

1. ESTABLISH HORIZONTAL BASELINES AND OFFSET LINES PARALLEL AND PERPENDICULAR AS INDICATED FROM THE EXISTING CONTROL POINTS SET BY OWNER. VERTICAL CONTROL IS RELATIVE WITHIN THE WORKSITE. ESTABLISH SPECIFIC VERTICAL RELATIONSHIPS PRIOR TO STARTING WORK. ESTABLISH A MINIMUM OF TWO VERTICAL CONTROL POINTS AND MAINTAIN THEM THROUGH THE PROJECT. THE BASELINES AND OFFSET LINES ARE TO BE ESTABLISHED AS SHOWN ON THE PLAN.
2. ALL CURVED LINES INDICATED ON THE LAYOUT SHALL BE CONTINUOUS AND WITHOUT DEVIATION. ABRUPT VERTICAL OR HORIZONTAL CHANGES ARE NOT ACCEPTABLE.. STAKE CONCRETE FORMS ADEQUATELY TO PREVENT SUDDEN BENDS.
3. NOTIFY THE ENGINEER OF HORIZONTAL OR VERTICAL DISCREPANCIES IMMEDIATELY. DO NO PROCEED WITH WORK WHICH MAY RESULT IN ACCUMULATED ERROR.
4. NOTIFY ENGINEER OF LAYOUT DISCREPANCIES WITH ELEMENTS TO REMAIN AND PROPOSED ELEMENTS. DO NO PROCEED WITH WORK WHICH MAY RESULT IN ACCUMULATED ERROR.
5. STAKE OUT PAVING AND SITE FURNISHINGS PRIOR TO THE INSTALLATION OF THESE ITEMS. INSTALLATION MAY PROCEED AFTER SECURING APPROVAL FROM LANDSCAPE ARCHITECT.
6. CHALK LINE SCORING PRIOR TO INSTALLATION. INSTALLATION MAY PROCEED AFTER SECURING APPROVAL FROM LANDSCAPE ARCHITECT

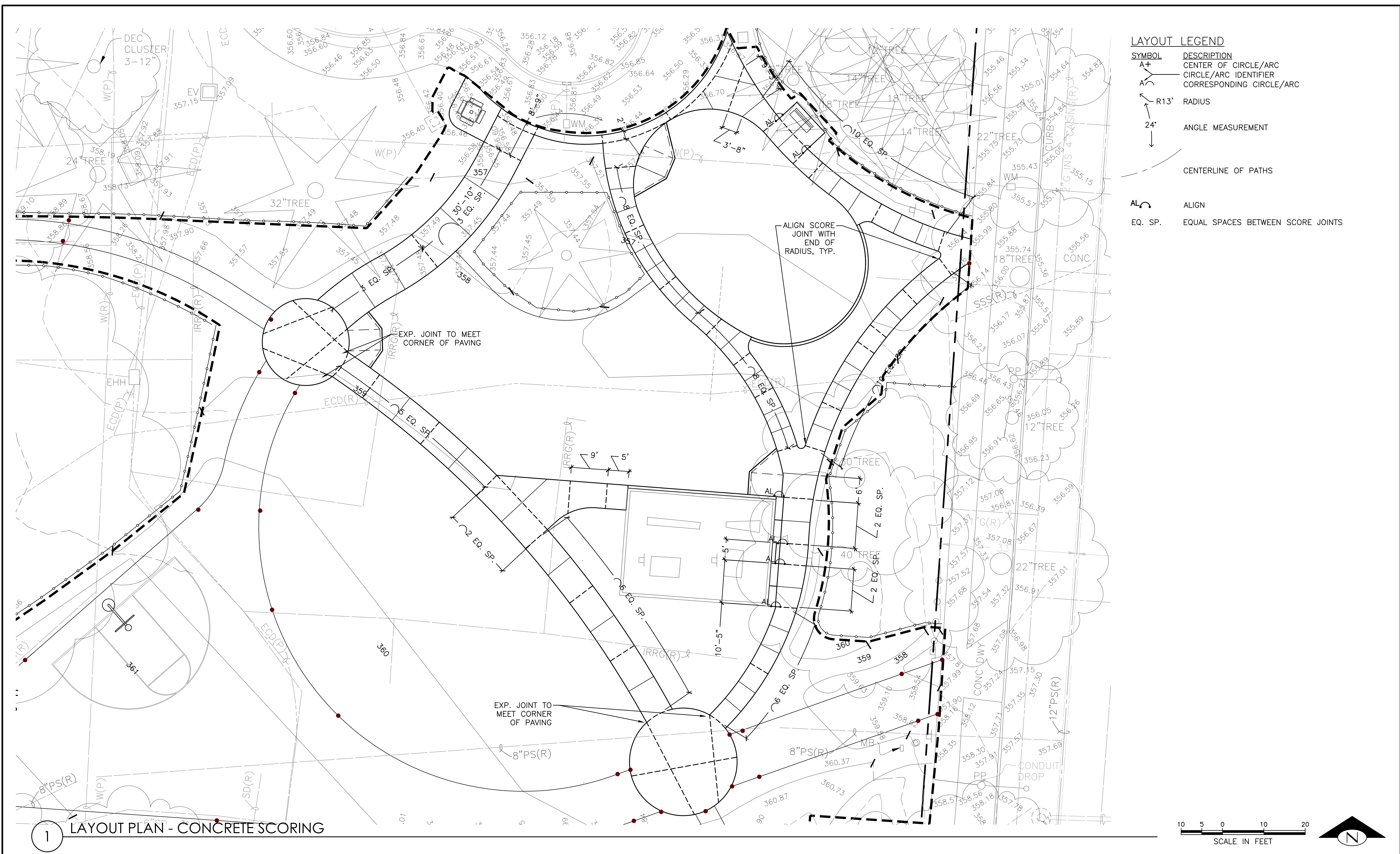
--- LIMIT OF WORK (LOW), PLACE CONSTRUCTION FENCING AT LOW LINE
--- TREE PROTECTION FENCING, SEE L.O.O



<div>>>>>CAUTION - CALL 811<<<< UTILITY NOTIFICATION CENTER BEFORE YOU DIG! WWW.CALL811.COM Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.</div>			7			REVIEWED: _____ DATE _____ PARK ENGINEER _____ All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.	Karen Kiest Landscape Architects 111 west john street suite 306 seattle washington 98119 206 323 6032 www.kk-la.com		 Seattle Parks & Recreation	HIAWATHA PLAYFIELD		DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
			6							PLAY AREA RENOVATION	DRAWN <u>CP</u>	SHEET <u>17</u> of <u>30</u>	
			5								CHECKED <u>KK</u>		
			4								L2.1		
			3			NO.	REVISION -- AS BUILT	DATE		LAYOUT PLAN		ORDINANCE NO. <u>X</u>	SCALE <u>1" = 20'</u>
			2		PERMIT CORRECTIONS #2					02/03/22	SPECIFICATION NO. <u>X</u>		
			1		PERMIT CORRECTIONS #1					12/21/21			



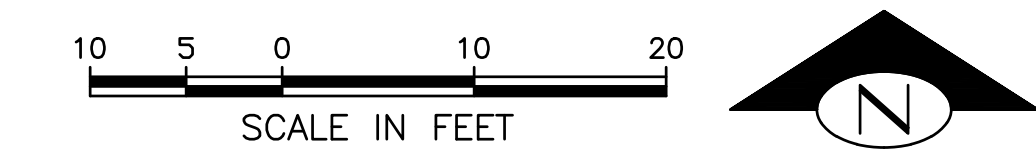
DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
DRAWN <u>CP</u>	SHEET <u>18</u> OF <u>30</u>
CHECKED <u>KK</u>	
ORDINANCE NO. <u>X</u>	L2.2
SPECIFICATION NO. <u>X</u>	
SCALE <u>1" = 20'</u>	



LAYOUT LEGEND

SYMBOL	DESCRIPTION
A+	CENTER OF CIRCLE/ARC
A	CIRCLE/ARC IDENTIFIER
	CORRESPONDING CIRCLE/ARC
R13'	RADIUS
24°	ANGLE MEASUREMENT
	CENTERLINE OF PATHS
AL	ALIGN
EQ. SP.	EQUAL SPACES BETWEEN SCORE JOINTS

1 LAYOUT PLAN - CONCRETE SCORING



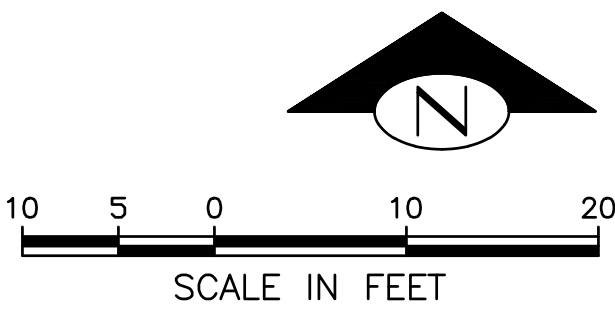
>>>>CAUTION - CALL 811<<<< UTILITY NOTIFICATION CENTER BEFORE YOU DIG! WWW.CALL811.COM <small>Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.</small>	7			REVIEWED: _____ DATE _____ PARK ENGINEER _____ <small>All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.</small>	Karen Kiest Landscape Architects 111 west john street suite 306 seattle washington 98119 206 323 6032 www.kk-la.com			HIAWATHA PLAYFIELD	DESIGNED <u>KK/CP</u>	DATE 05/10/2022
	6							DRAWN <u>CP</u>	SHEET 19 of 30	
	5							CHECKED <u>KK</u>		L2.3
	4							ORDINANCE NO. <u>X</u>	SCALE 1" = 20'	
	3							SPECIFICATION NO. <u>X</u>		
2	PERMIT CORRECTIONS #2	02/03/22								
1	PERMIT CORRECTIONS #1	12/21/21								
NO.	REVISION	AS BUILT	DATE							



- PLAY EQUIPMENT LAYOUT NOTES:
- REFER TO SPECIFICATION APPENDIX B FOR FOOTING LAYOUT, FOOTING DETAILS, AND ADDITIONAL PLAY EQUIPMENT INFORMATION. THIS DRAWING IS FOR REFERENCE ONLY. PLAY EQUIPMENT TO BE LOCATED AN INSTALLED PER INSTRUCTIONS PROVIDED BY MANUFACTURER WITH EQUIPMENT PACKAGE.
 - COORDINATE THE INSTALLATION OF THE PLAY EQUIPMENT WITH THE LAYOUT OF THE CURB, PATHS AND RAMP.
 - NOTIFY THE ENGINEER OF DISCREPANCIES IMMEDIATELY. DO NOT PROCEED WITH WORK WHICH MAY RESULT IN SAFETY FALL ZONE LAYOUT ERROR.
 - TAKE DELIVERY OF PLAY EQUIPMENT AND STORE SAFELY ON SITE. INSPECT ALL EQUIPMENT BEFORE BEGINNING INSTALLATION WORK. NOTIFY ENGINEER AND MANUFACTURER IMMEDIATELY UPON DISCOVERY OF MISSING, DAMAGED, OR INCORRECT EQUIPMENT COMPONENTS.
 - INSTALL PLAY EQUIPMENT ACCORDING TO THE SPECIFICATION AND LAYOUT DIRECTIONS OF THE MANUFACTURER INDICATED N THIS DRAWING.
 - FINAL LOCATION OF PLAY EQUIPMENT ELEMENTS OF PLAY PANELS AND ALL OTHER FREE STANDING EQUIPMENT INCLUDING SIGNS TO BE COORDINATED WITH ENGINEER BEFORE FINAL PLACEMENT.

PLAY EQUIPMENT

SYMBOL	DESCRIPTION	
PL-01	ALPHA TOWER AGES 5-12 LANDSCAPE STRUCTURES	
PL-02	WEEVOS AGES 2-5 LANDSCAPE STRUCTURES	
PL-03	OMNI SPINNER AGES 2-5 LANDSCAPE STRUCTURES	ADDITIVE #3
PL-04	SWINGS, 5" POSTS AGES 2-12 LANDSCAPE STRUCTURES	
PL-05	BASKETBALL HOOP	



2-5 AREA

PlayBooster®and Weevos®
(2-5 years)
Max Fall Height: 48 inches

Swing Play AREA

Freestanding Play
(2-12 years)
Max Fall Height: 96 inches

5-12 AREA

Freestanding Play
(5-12 years)
Max Fall Height: 144 inches

TOTAL ELEVATED PLAY COMPONENTS	6		
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	0	REQUIRED	0
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	6	REQUIRED	3
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	4	REQUIRED	2
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	4	REQUIRED	4

TOTAL ELEVATED PLAY COMPONENTS	0		
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	0	REQUIRED	0
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	0	REQUIRED	0
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	6	REQUIRED	0
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	1	REQUIRED	1

TOTAL ELEVATED PLAY COMPONENTS	7		
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY RAMP	0	REQUIRED	0
TOTAL ELEVATED COMPONENTS ACCESSIBLE BY TRANSFER	4	REQUIRED	4
TOTAL ACCESSIBLE GROUND LEVEL COMPONENTS SHOWN	3	REQUIRED	2
TOTAL DIFFERENT TYPES OF GROUND LEVEL COMPONENTS	2	REQUIRED	2

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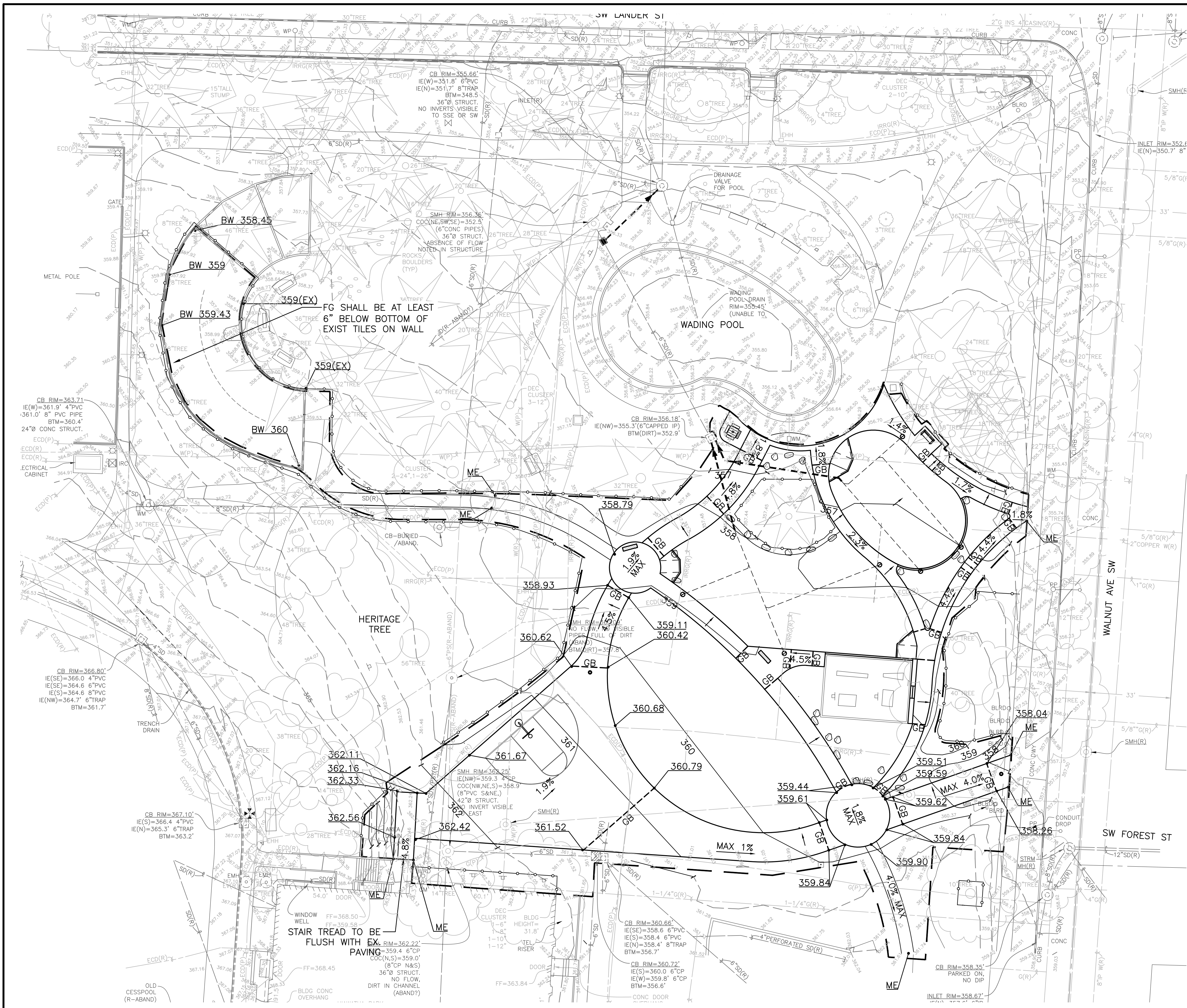
Karen Kiest
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206 323 6032
www.kk-la.com



HIAWATHA PLAYFIELD
PLAY AREA RENOVATION
PLAY EQUIPMENT PLAN

DESIGNED	KK/CP
DRAWN	CP
CHECKED	KK
ORDINANCE NO.	X
SPECIFICATION NO.	X
SCALE	1" = 10'

DATE 05/10/2022
SHEET 20 of 30
L2.4



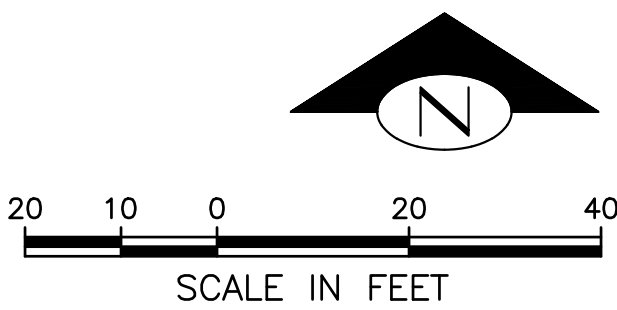
GRADING LEGEND

- BW BOTTOM OF WALL
- EWFS ENGINEERED WOOD FIBER SURFACING
- GB GRADE BREAK
- ME MATCH EXISTING
- TC TOP OF CURB
- TW TOP OF WALL
- 2.0% SLOPE

GRADING NOTES:

- 1. DATUM PER CITY OF SEATTLE, DEPARTMENT OF PARKS AND RECREATION, BASED ON CITY OF SEATTLE DATUM. LOCATE, PRESERVE AND PROTECT VERTICAL CONTROL POINT.
- 2. PLAN SHOWS ALL FINISH GRADE ELEVATIONS. PROVIDE SUBGRADE ELEVATIONS AS REQUIRED BY PLANS, DETAILS OR SPECIFICATIONS. PROVIDE APPROPRIATELY COMPACTED SUBGRADES OF NATIVE SOIL OR APPROVED FILL.
- 3. COORDINATE GRADING WORK WITH WORK OF OTHER TRADES OR WORK BY OTHERS AS REQUIRED TO COMPLETE THE PROJECT.
- 4. EXCESS MATERIALS SHALL BE REMOVED FROM SITE AND HAULED TO AN APPROVED LOCATION.
- 5. REFER TO SHEETS 7 AND 8 FOR DRAINAGE AND WASTEWATER CONTROL.
- 6. ALL PATHS SHALL HAVE MAX 2% CROSS SLOPE FOR DRAINAGE.
- 7. ALL RAMPS INTO PLAY AREAS HAVE A MAXIMUM SLOPE OF 1:14 WITH RAMP WINGS AT A MAXIMUM SLOPE OF 1:10 PER SEATTLE PARKS STD. DETAIL (12/20). SEE LAYOUT PLANS FOR RAMP LENGTHS.
- 8. SLOPE GRADE OF SUBGRADES IN PLAY AREAS TO DRAIN.
- 9. REFERENCE DETAILS FOR DEPTHS OF PLAY SURFACING AND SUBRADE ELEVATIONS.

- LIMIT OF WORK (LOW), PLACE CONSTRUCTION FENCING AT LOW LINE
- TREE PROTECTION FENCING, SEE L.O.O



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1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION - AS BUILT	DATE

REVIEWED:

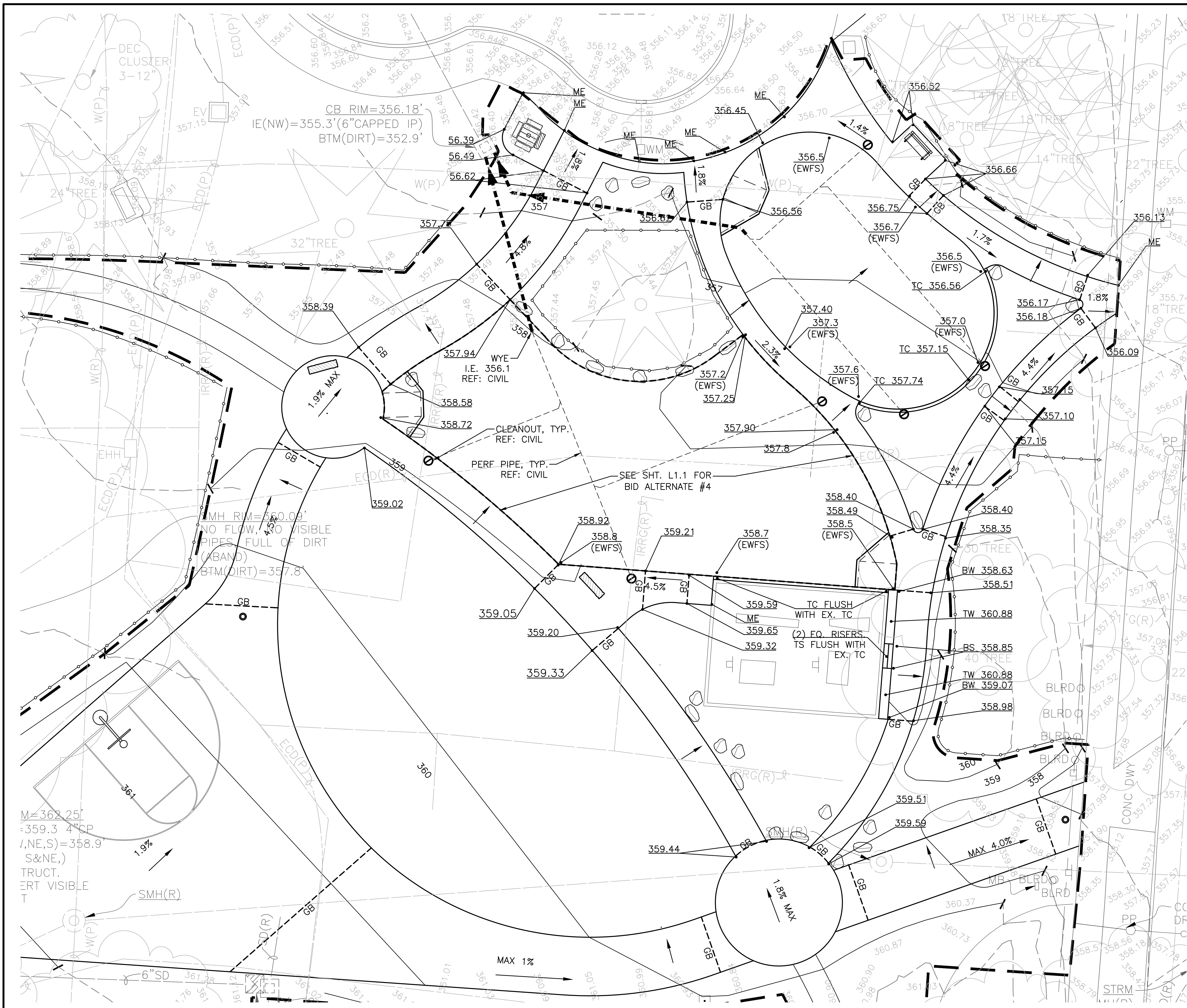
PARK ENGINEER	DATE
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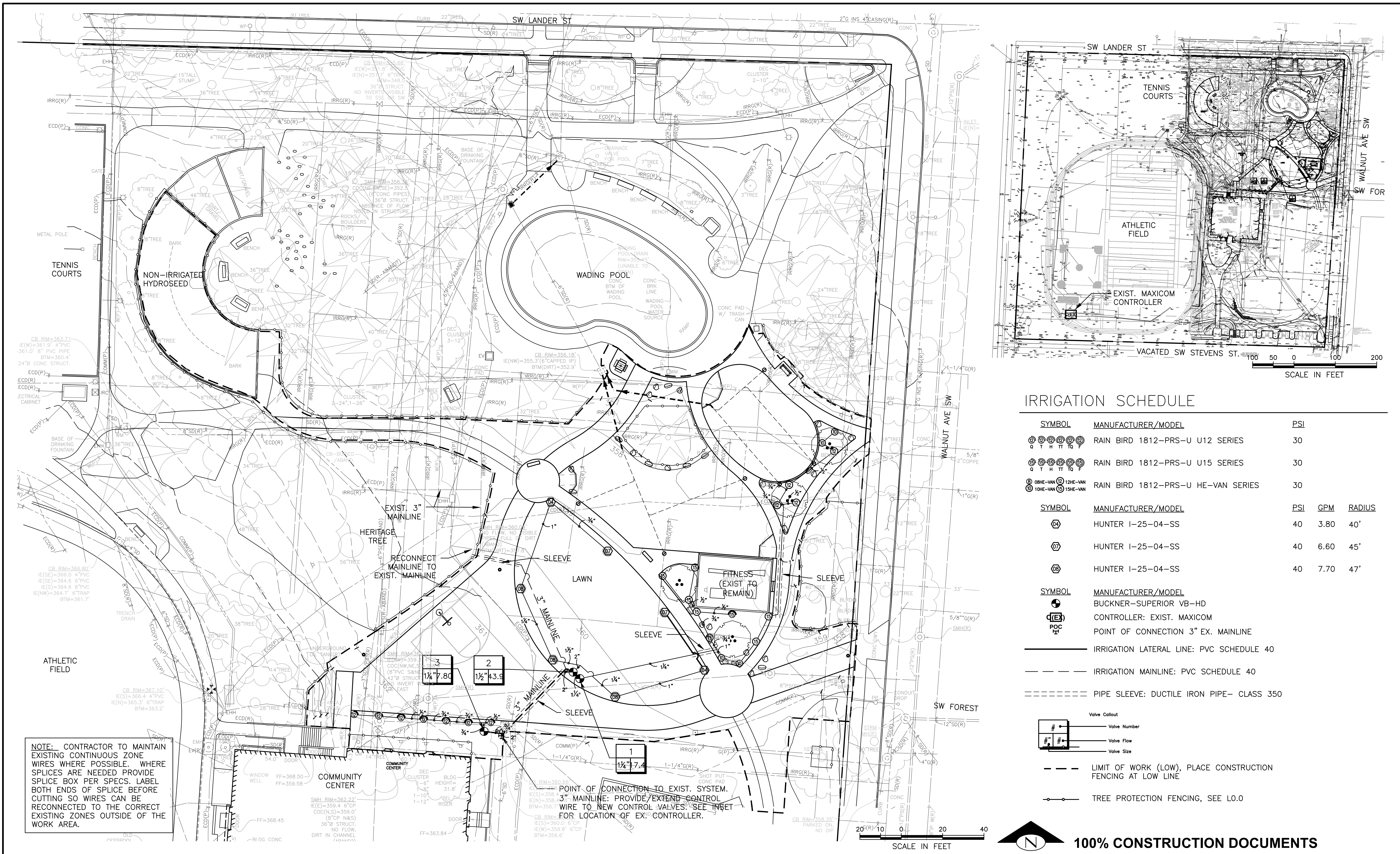
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Landscape Architects

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206 323 6032
www.kk-la.com

HIAWATHA PLAYFIELD	DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
PLAY AREA RENOVATION	DRAWN <u>CP</u>	SHEET <u>21</u> of <u>30</u>
GRADING PLAN	CHECKED <u>KK</u>	
	ORDINANCE NO. <u>X</u>	L3.0
	SPECIFICATION NO. <u>X</u>	
	SCALE <u>1" = 20'</u>	





IRRIGATION SCHEDULE

<u>SYMBOL</u>	<u>MANUFACTURER/MODEL</u>	<u>PSI</u>		
	RAIN BIRD 1812-PRS-U U12 SERIES	30		
	RAIN BIRD 1812-PRS-U U15 SERIES	30		
	RAIN BIRD 1812-PRS-U HE-VAN SERIES	30		
<u>SYMBOL</u>	<u>MANUFACTURER/MODEL</u>	<u>PSI</u>	<u>GPM</u>	<u>RADIUS</u>
	HUNTER I-25-04-SS	40	3.80	40'
	HUNTER I-25-04-SS	40	6.60	45'
	HUNTER I-25-04-SS	40	7.70	47'
<u>SYMBOL</u>	<u>MANUFACTURER/MODEL</u>			
	BUCKNER-SUPERIOR VB-HD			
	CONTROLLER: EXIST. MAXICOM			
	POINT OF CONNECTION 3" EX. MAINLINE			
	IRRIGATION LATERAL LINE: PVC SCHEDULE 40			
	IRRIGATION MAINLINE: PVC SCHEDULE 40			
	PIPE SLEEVE: DUCTILE IRON PIPE- CLASS 350			
	Valve Callout			
	LIMIT OF WORK (LOW), PLACE CONSTRUCTION FENCING AT LOW LINE			
	TREE PROTECTION FENCING, SEE L.O.O			

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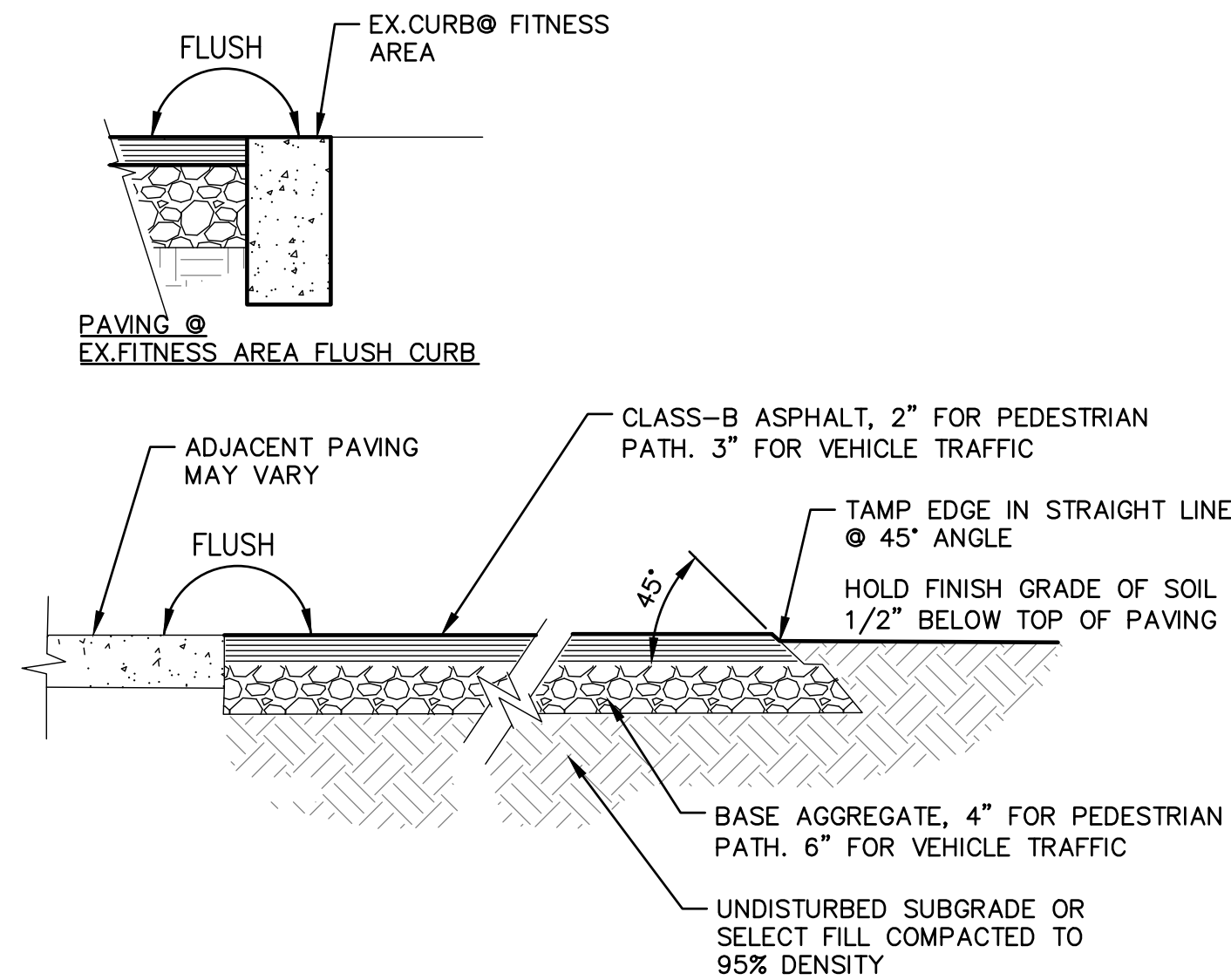
7		
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NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____

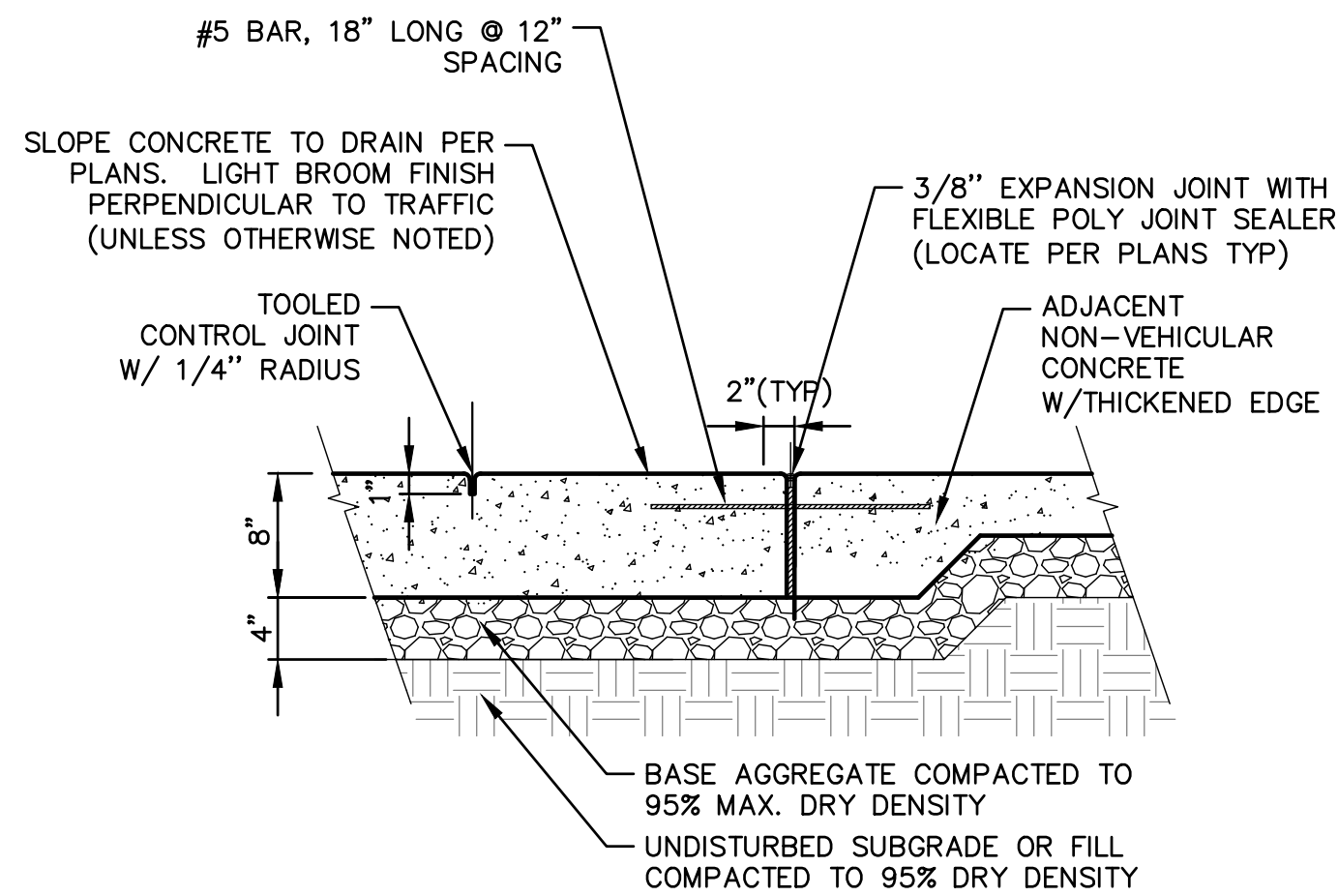
PARK ENGINEER _____

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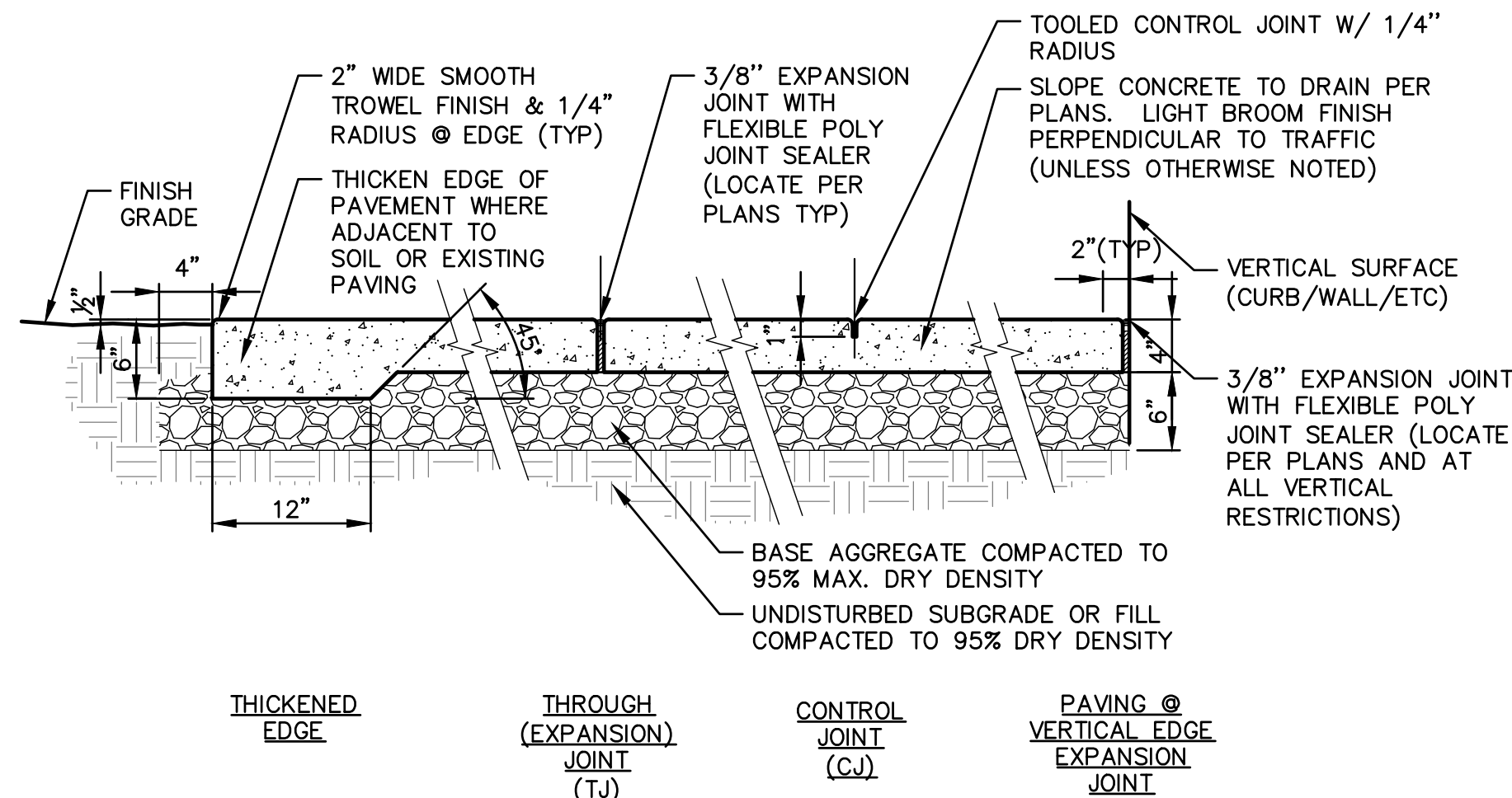
DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
DRAWN <u>CP</u>	
CHECKED <u>KK</u>	SHEET <u>23</u> of <u>30</u>
ORDINANCE NO. <u>X</u>	L4.0
SPECIFICATION NO. <u>X</u>	
SCALE <u>1" = 20'</u>	



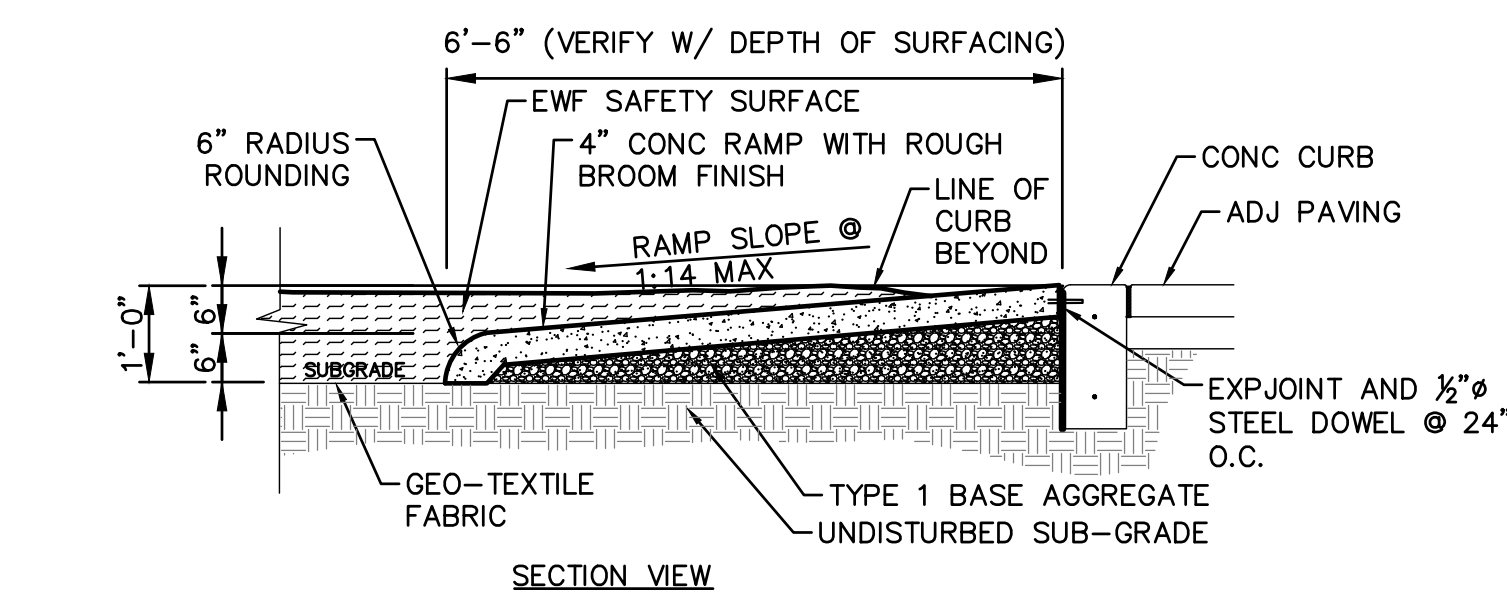
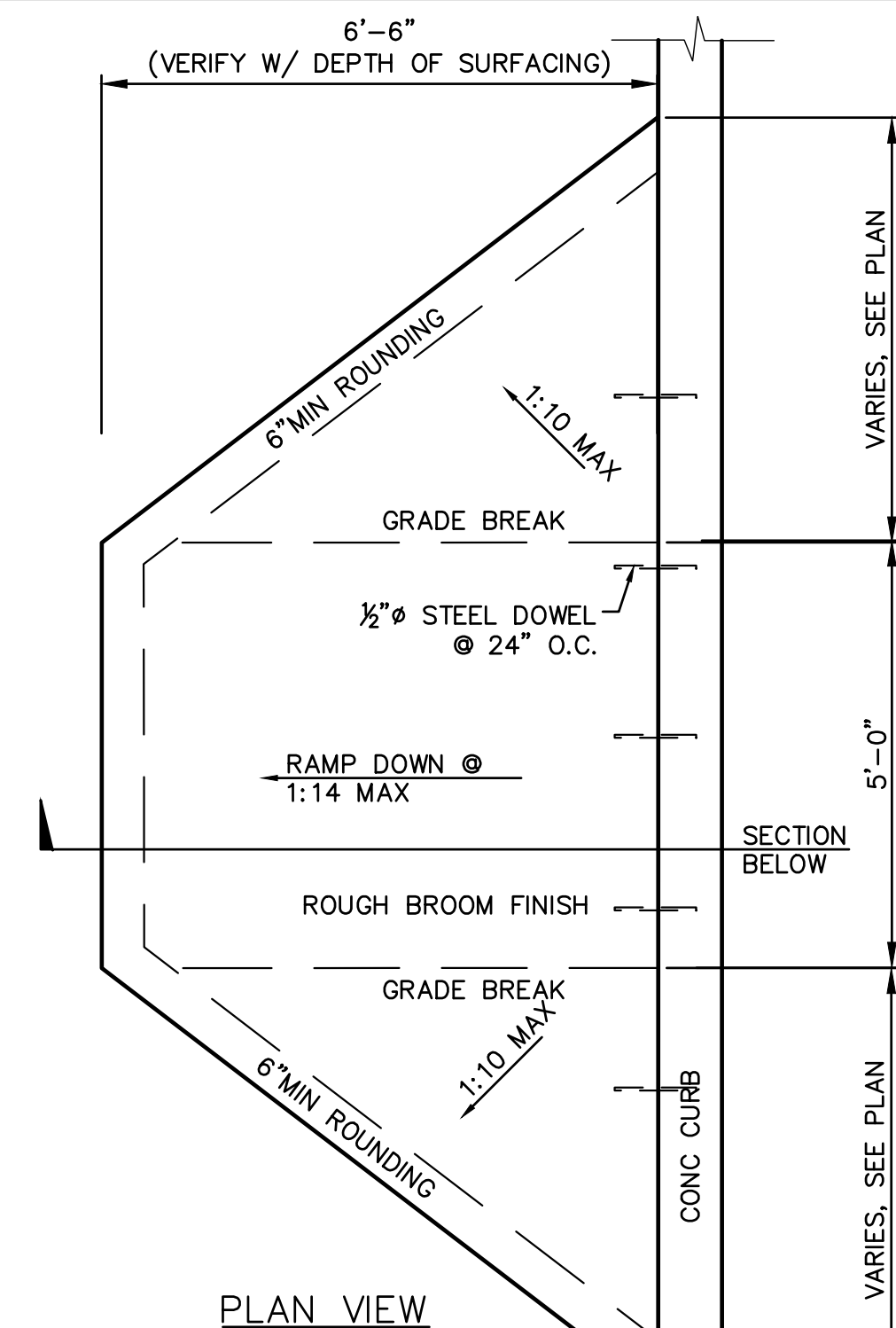
1 ASPHALT PAVING FOR PATHWAYS & SERVICE ROADS
SCALE: 1" = 1'-0"



2 VEHICULAR CONCRETE PAVING
SCALE: 1" = 1'-0"

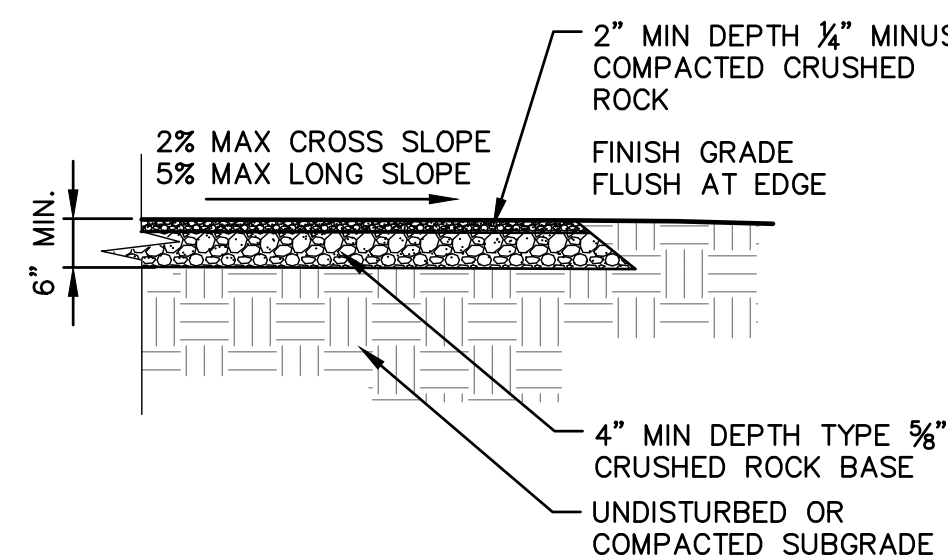


3 PEDESTRIAN CONCRETE PAVING WITH JOINTS
SCALE: 1" = 1'-0"

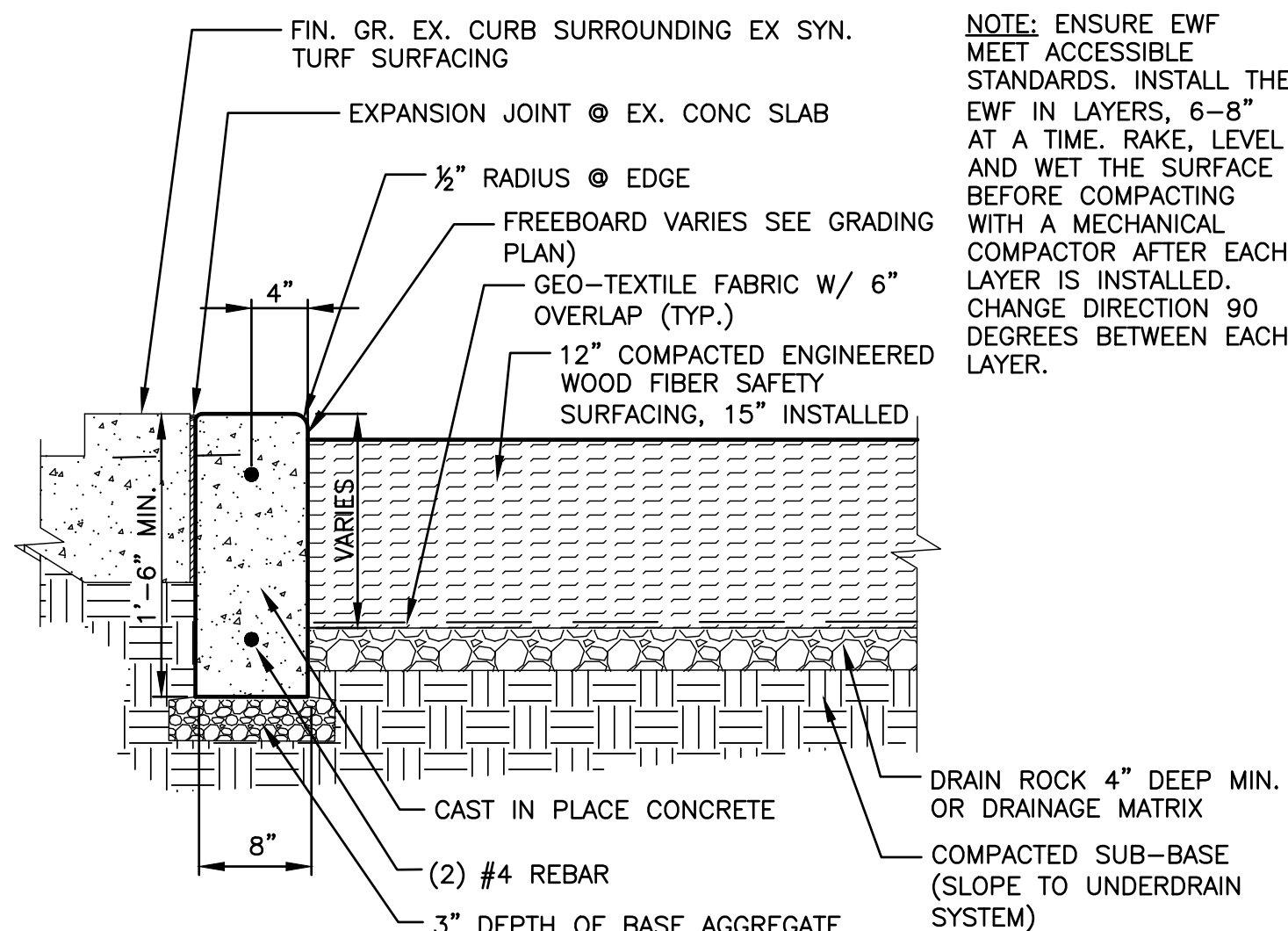


- GENERAL NOTES:**
1. ALL DETAILS ARE GENERAL UNLESS OTHERWISE NOTED.
 2. ALL PLAY AREA RAMPS SHALL MEET CURRENT ADA LAWS & REGULATIONS PER ASTM & CPSC
 3. RAMP SLOPE SHALL BE 1:14 MAX (1:16 MAX WHEN RAMP IS PART OF ADA ROUTE BETWEEN PLAY ELEMENTS WITHIN THE PLAY AREA ITSELF)
 4. LENGTH & SHAPE OF RAMPS CAN VARY DEPENDING ON SITE CONDITIONS
 5. RAMP WIDTH SHALL BE 5' MIN PER ADA

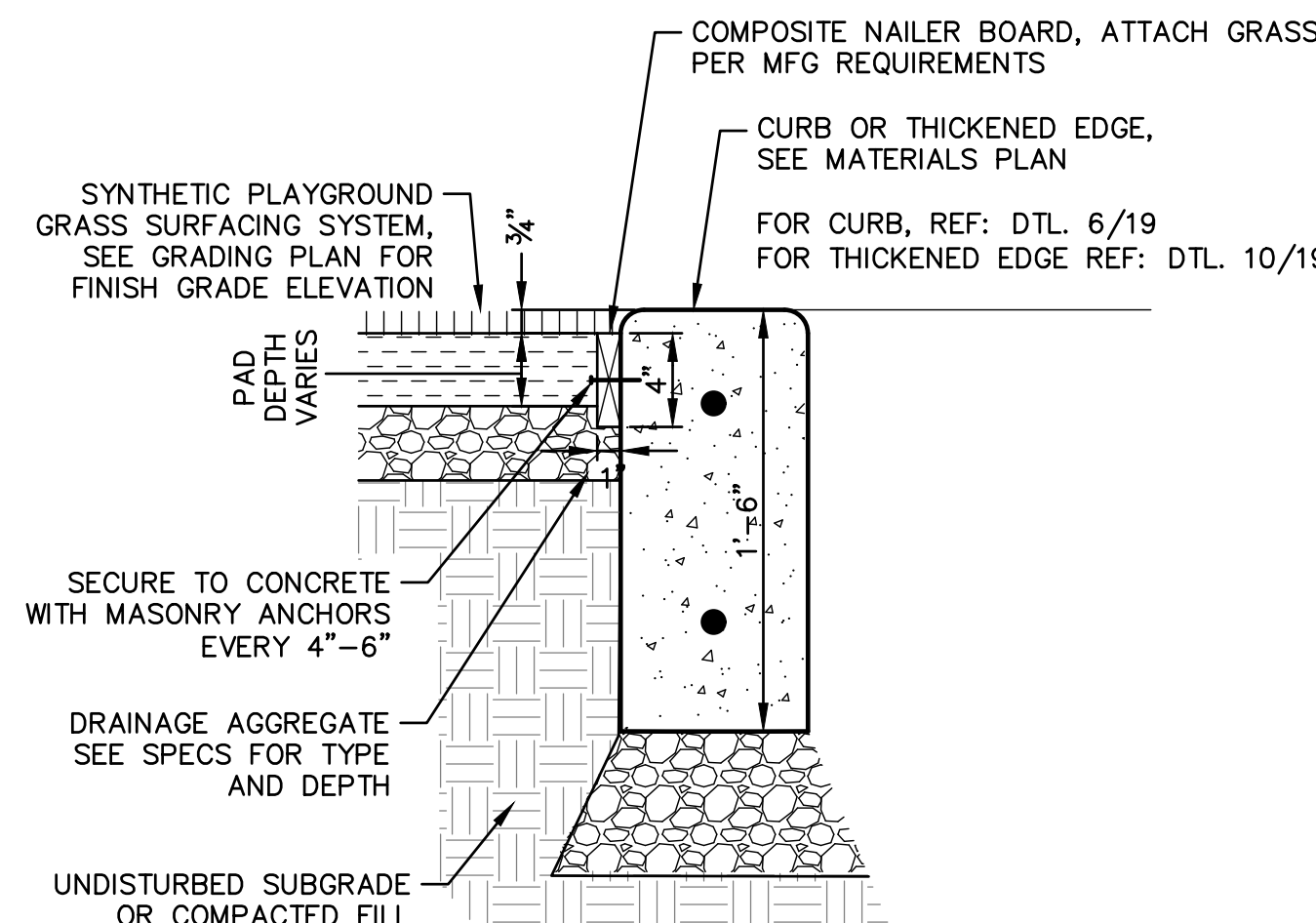
8 PLAY AREA CONCRETE ADA ACCESSIBLE RAMP
SCALE: 1/2" = 1'-0"



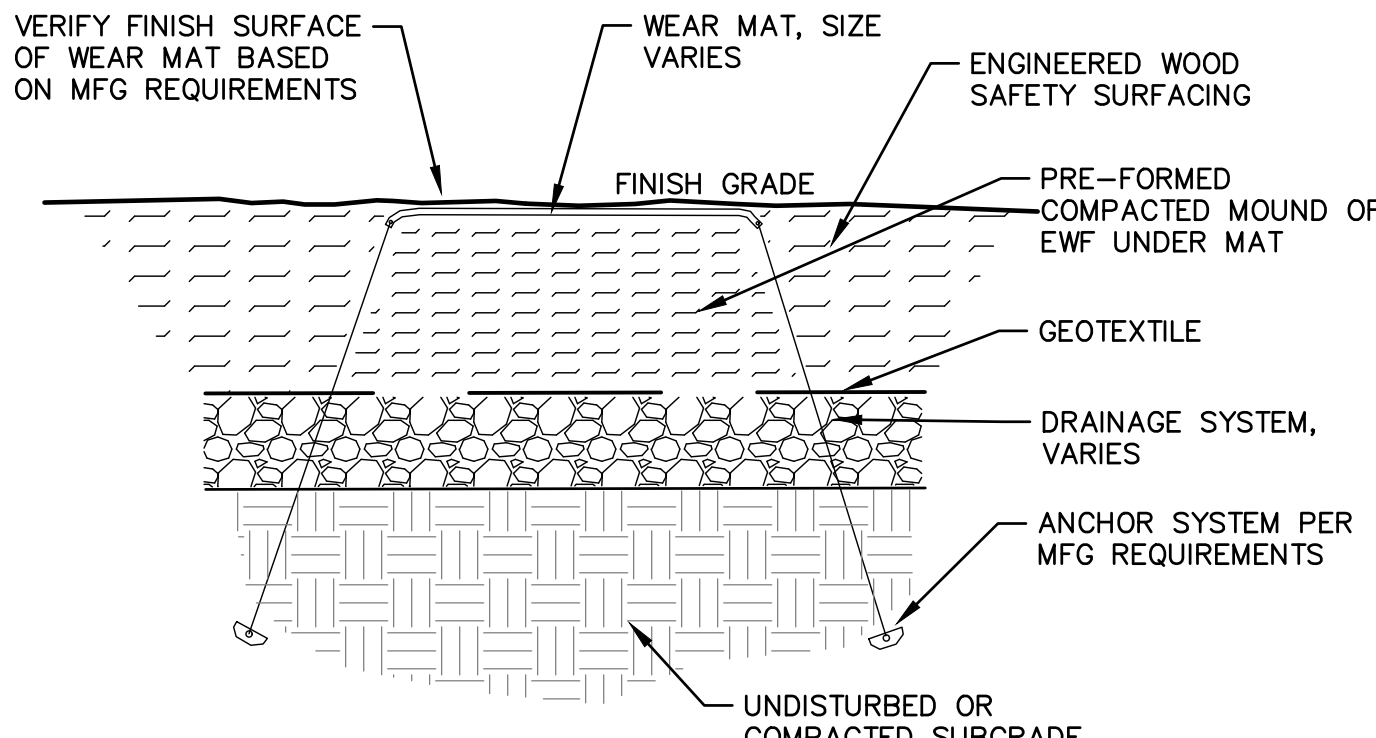
5 CRUSHED ROCK PAVING
SCALE: 1" = 1'-0"



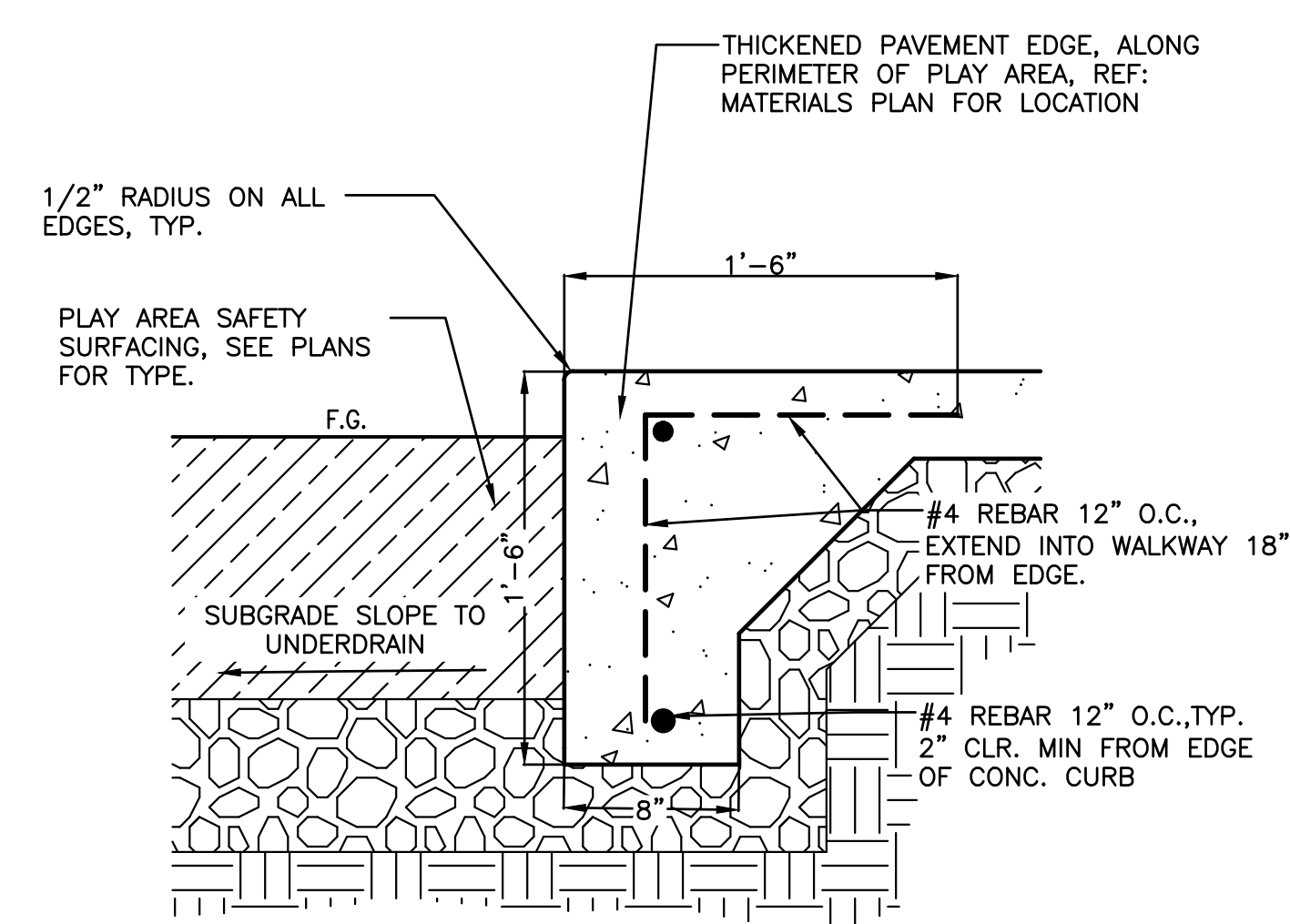
6 ENGINEERED WOOD FIBER AND CONC CURB
SCALE: 1" = 1'-0"



7 BID ALTERNATE #4 PLAY AREA SYNTHETIC GRASS SURFACING
SCALE: 1 1/2" = 1'-0"



9 PLAY AREA SURFACE WEAR MAT
SCALE: 1" = 1'-0"



10 CONC. PAVING W/ THICKENED EDGE @ PLAY AREA
SCALE: 1 1/2" = 1'-0"

100% CONSTRUCTION DOCUMENTS

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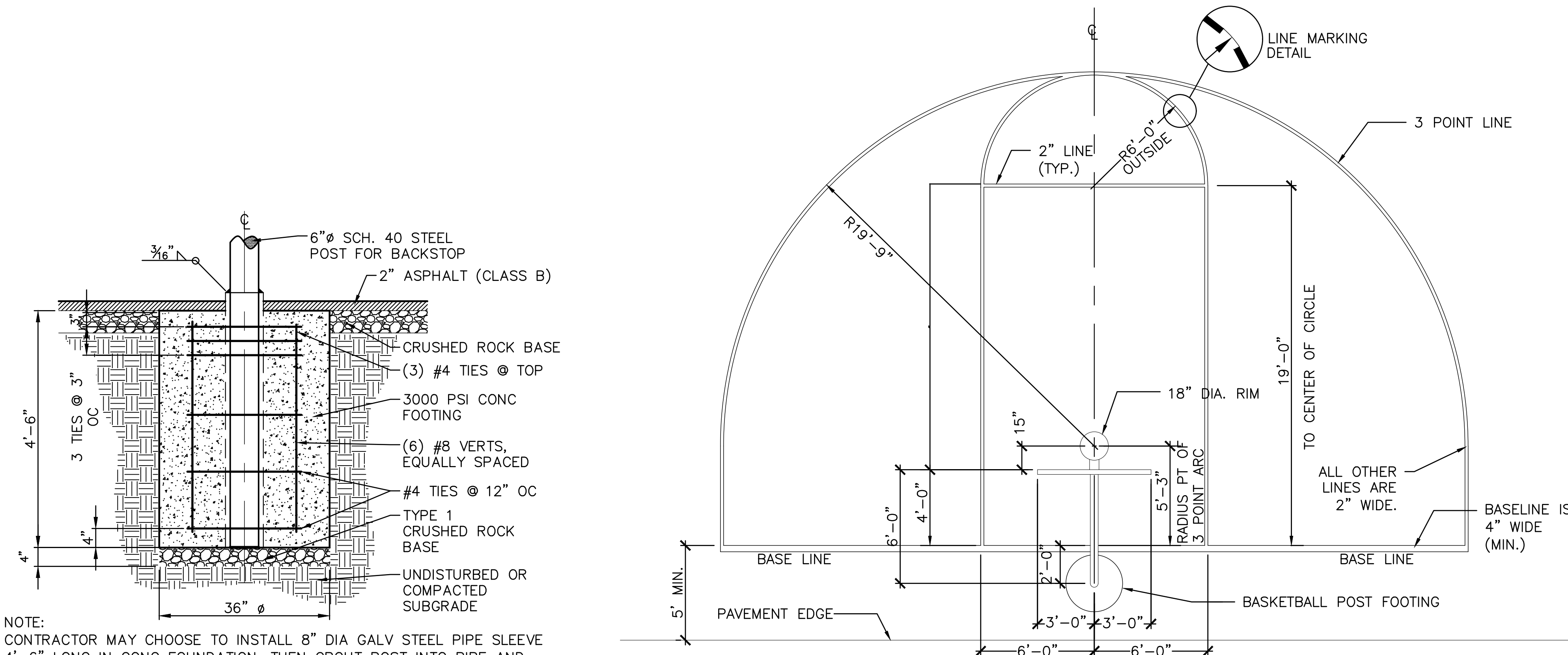
7		
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NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
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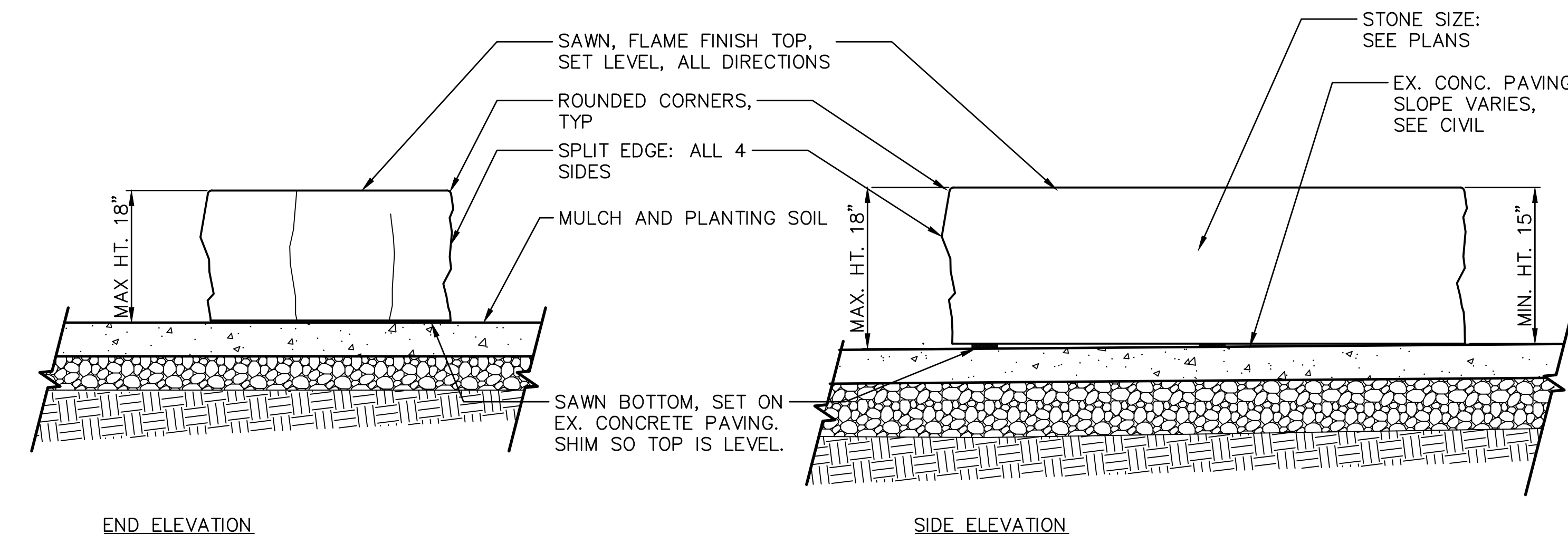
HIAWATHA PLAYFIELD
PLAY AREA RENOVATION
DETAILS - SITE

DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
DRAWN <u>CP</u>	
CHECKED <u>KK</u>	SHEET <u>24</u> of <u>30</u>
ORDINANCE NO. <u>X</u>	L5.1
SPECIFICATION NO. <u>X</u>	
SCALE <u>AS SHOWN</u>	

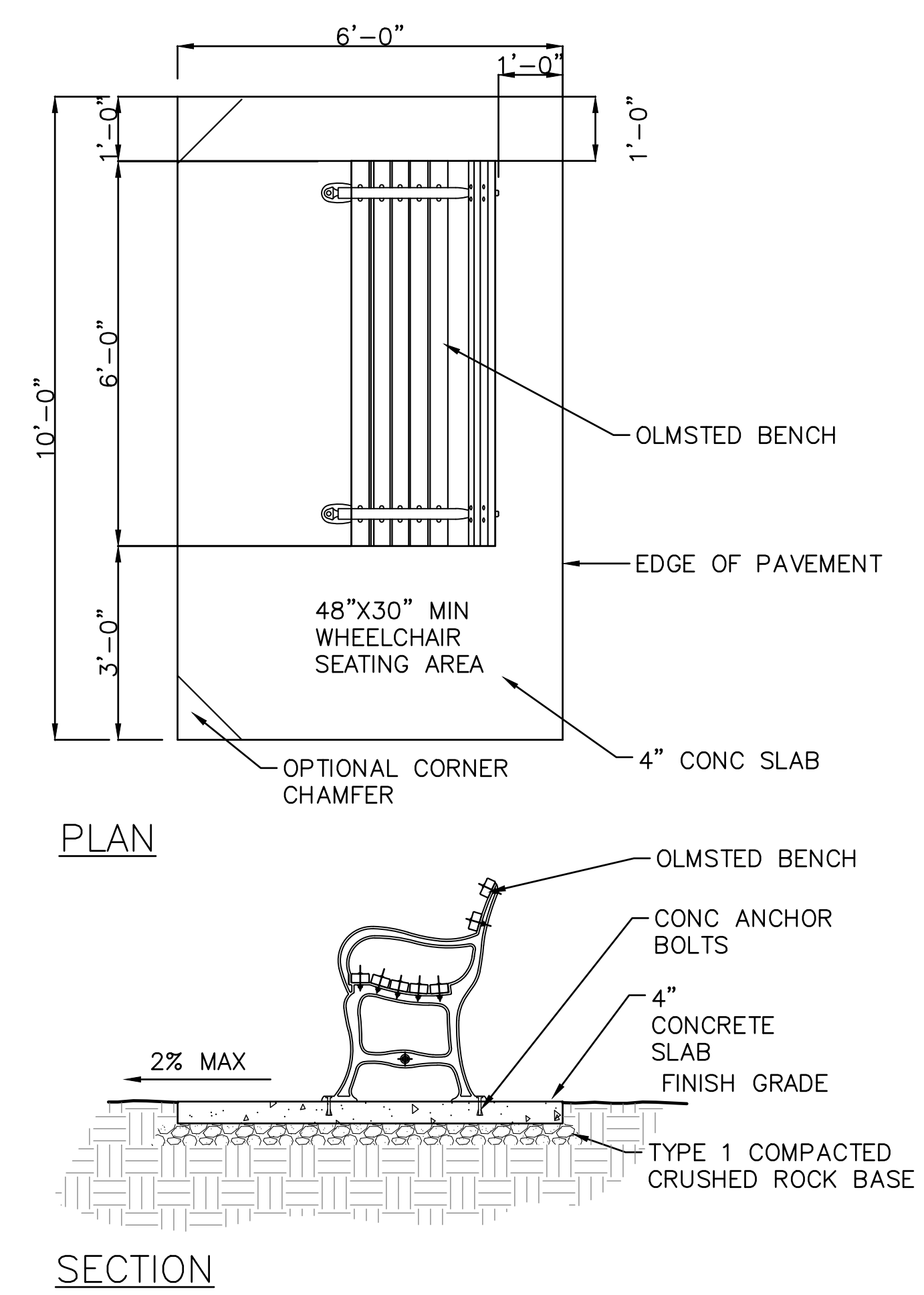


1 BASKETBALL POST FOUNDATION
SCALE: 3/4" = 1'-0"

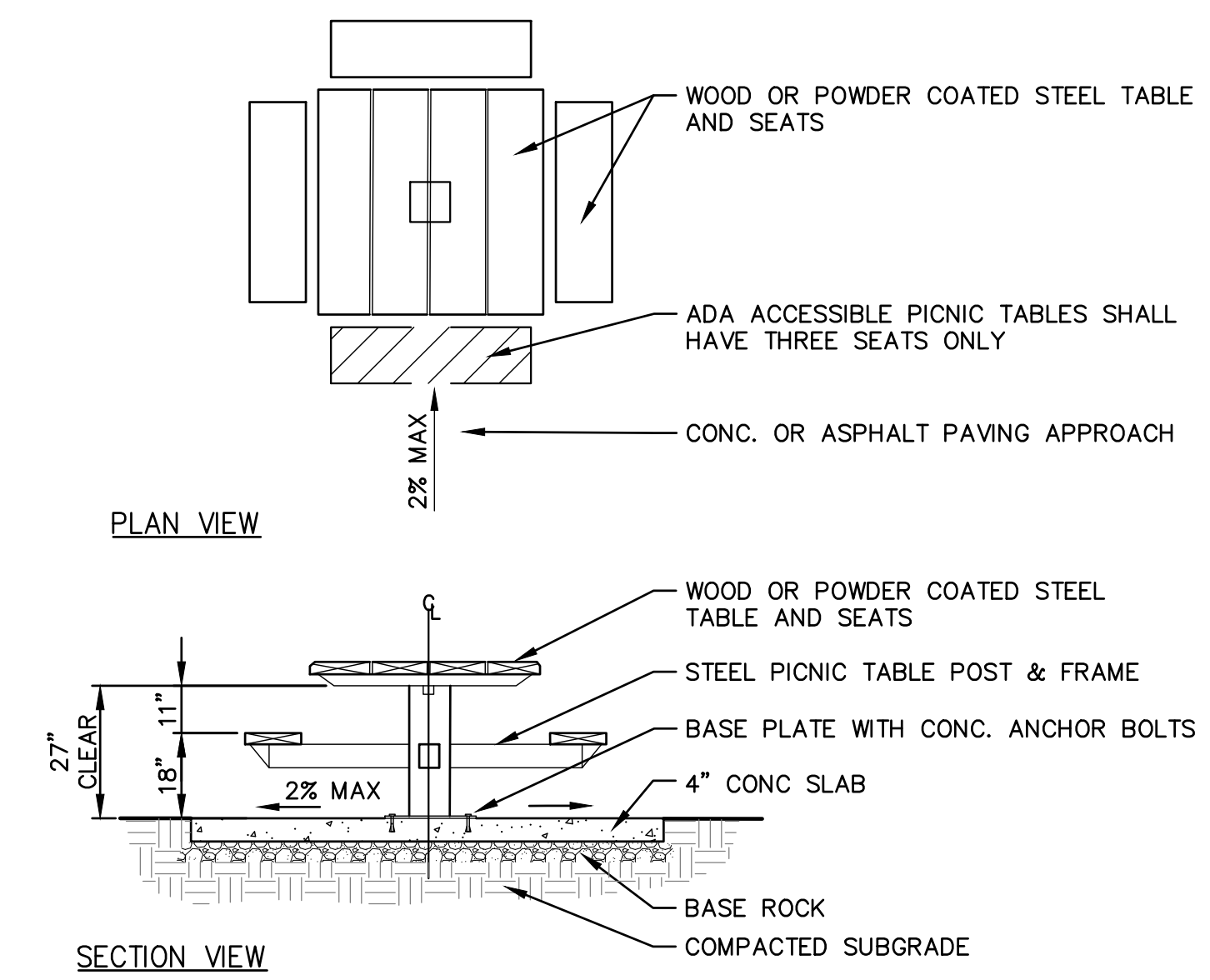
2 OUTDOOR BASKETBALL COURT LAYOUT (HALF)
SCALE: 1/4" = 1'-0"



5 SAWN STONE SLAB (BID ADDITIVE #2)
SCALE: 1" = 1'-0"



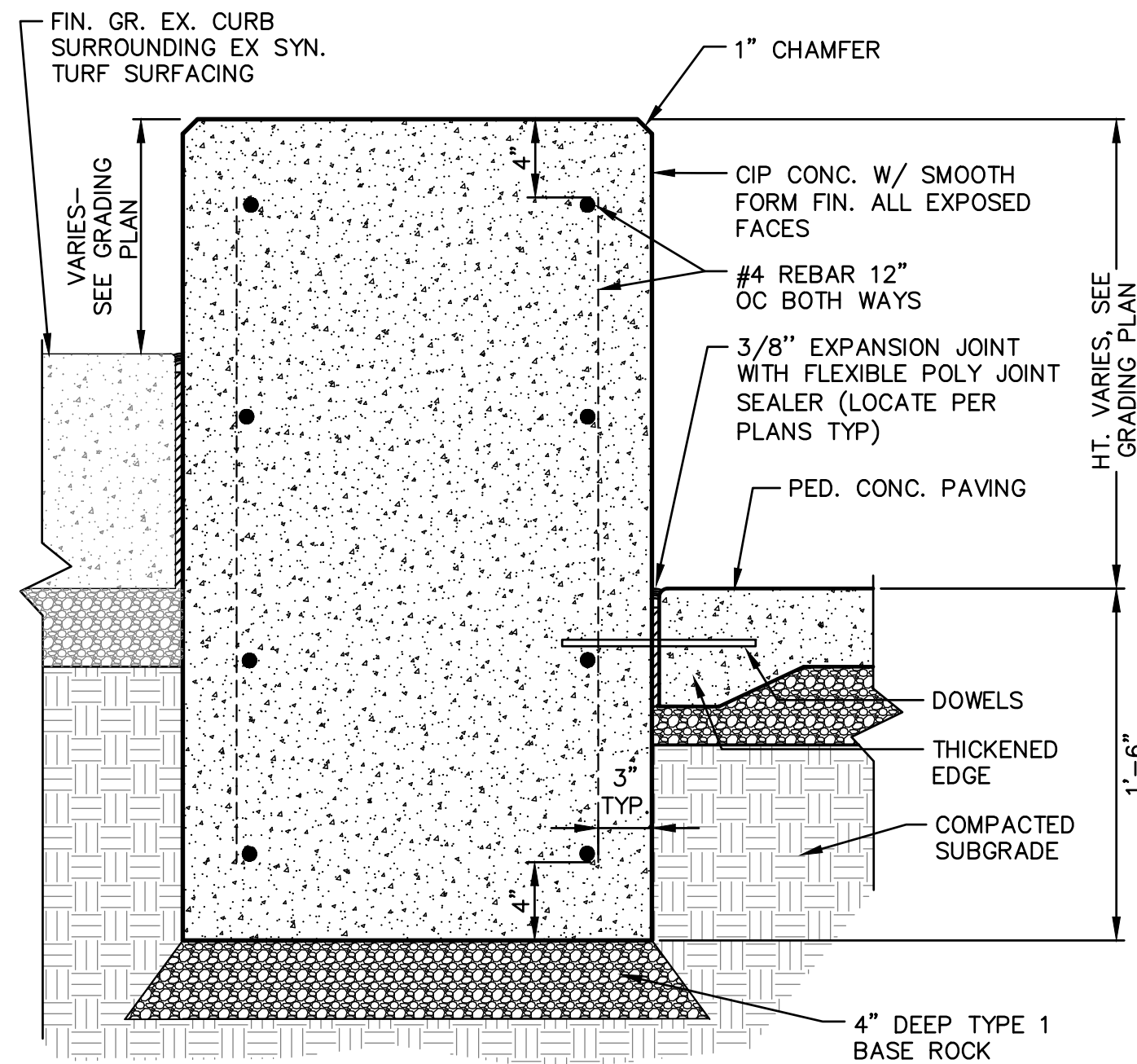
3 BOLT DOWN BENCH DETAIL (BID ADDITIVE #2)
SCALE: 1/2" = 1'-0"



4 FIXED PICNIC TABLE - BOLT DOWN (BID ADDITIVE #2)
SCALE: 3/8" = 1'-0"

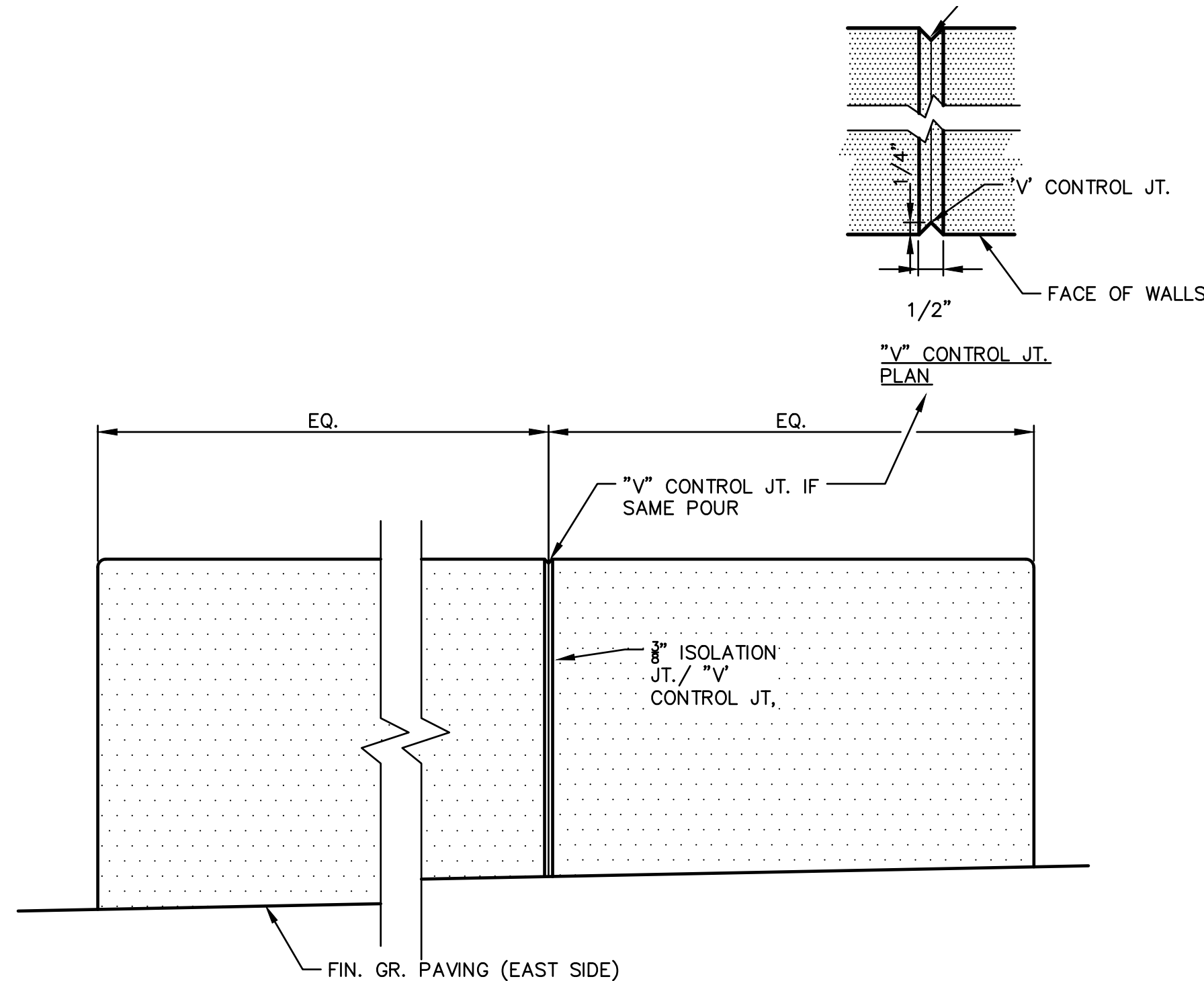
100% CONSTRUCTION DOCUMENTS

>>>>CAUTION - CALL 811<<<< UTILITY NOTIFICATION CENTER BEFORE YOU DIG! WWW.CALL811.COM <small>Also, verify all underground utilities not located by the 811 service by using a commercial location service and call SPR Inspection Request Line (206) 684-7034.</small>	7			<small>REVIEWED: _____ DATE _____ PARK ENGINEER</small>		HIAWATHA PLAYFIELD PLAY AREA RENOVATION DETAILS - SITE	DESIGNED <u>KK/CP</u>	<small>DATE 05/10/2022 SHEET <u>25</u> of <u>30</u> L5.2</small>
	6						DRAWN <u>CP</u>	
	5						CHECKED <u>KK</u>	
	4						ORDINANCE NO. <u>X</u>	
	3						SPECIFICATION NO. <u>X</u>	
	2	PERMIT CORRECTIONS #2	02/03/22	<small>All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.</small>				<small>SCALE <u>AS SHOWN</u></small>
	1	PERMIT CORRECTIONS #1	12/21/21					
	NO.	REVISION - AS BUILT	DATE					

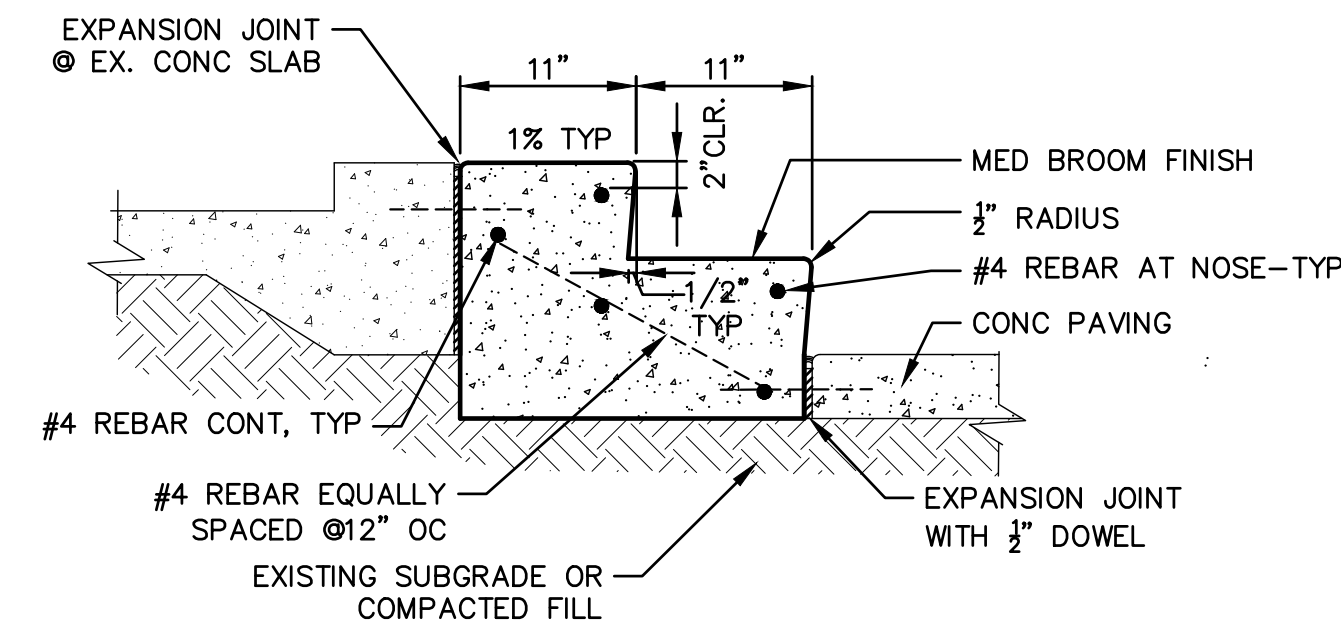


SECTION

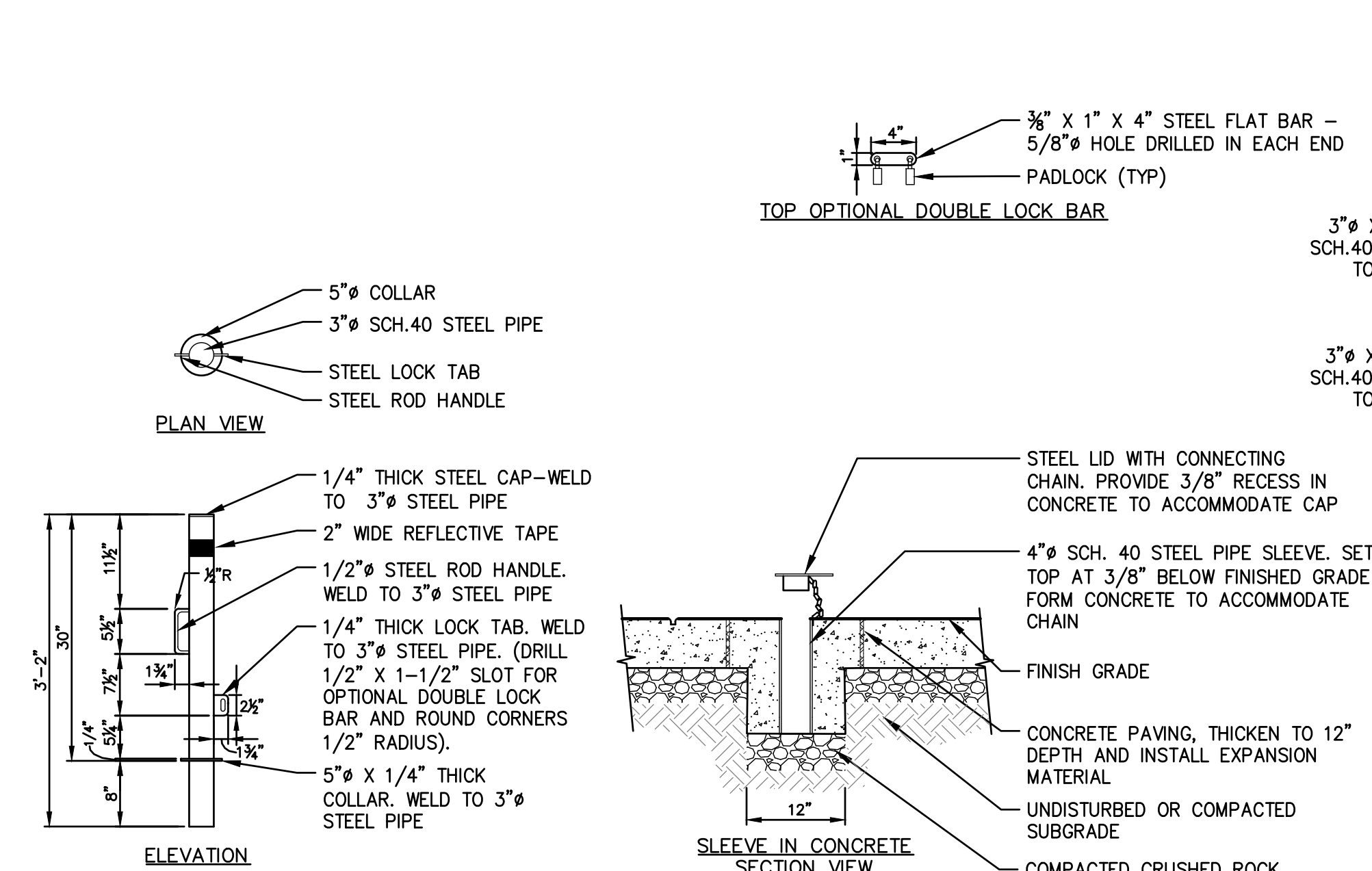
1 C.I.P. CONC. SEATWALL
SCALE: 1 1/2" = 1'-0"



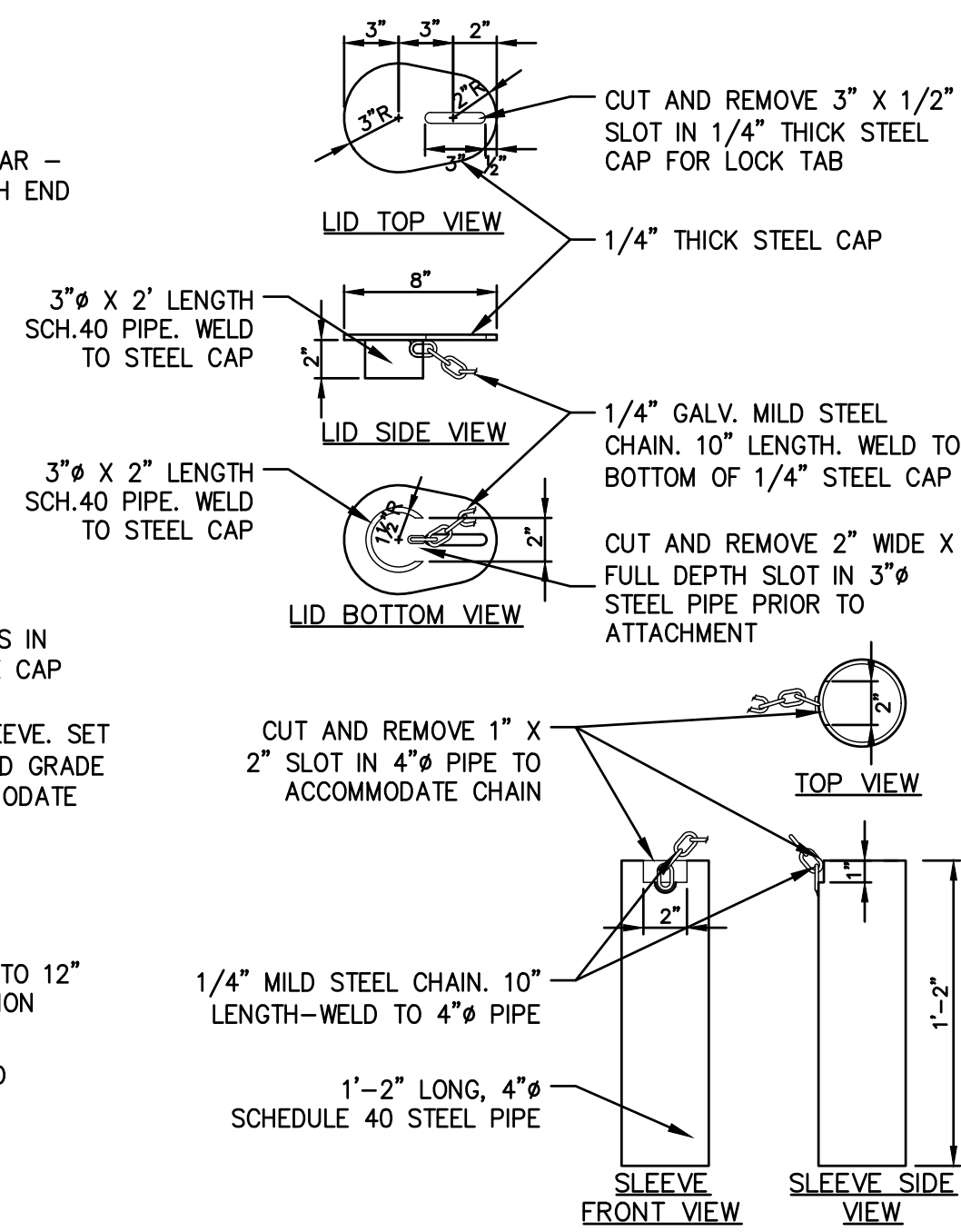
\"/>



2 CIP CONC STAIRS
SCALE: 1" = 1'-0"



4 REMOVABLE STEEL BOLLARD
SCALE: 3/4" = 1'-0"



100% CONSTRUCTION DOCUMENTS

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7		
6		
5		
4		
3		
2	PERMIT CORRECTIONS #2	02/03/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
PARK ENGINEER _____

All work done in accordance with the City of Seattle Standard
Plans and Specifications in effect on the date shown above, and
supplemented by Special Provisions.

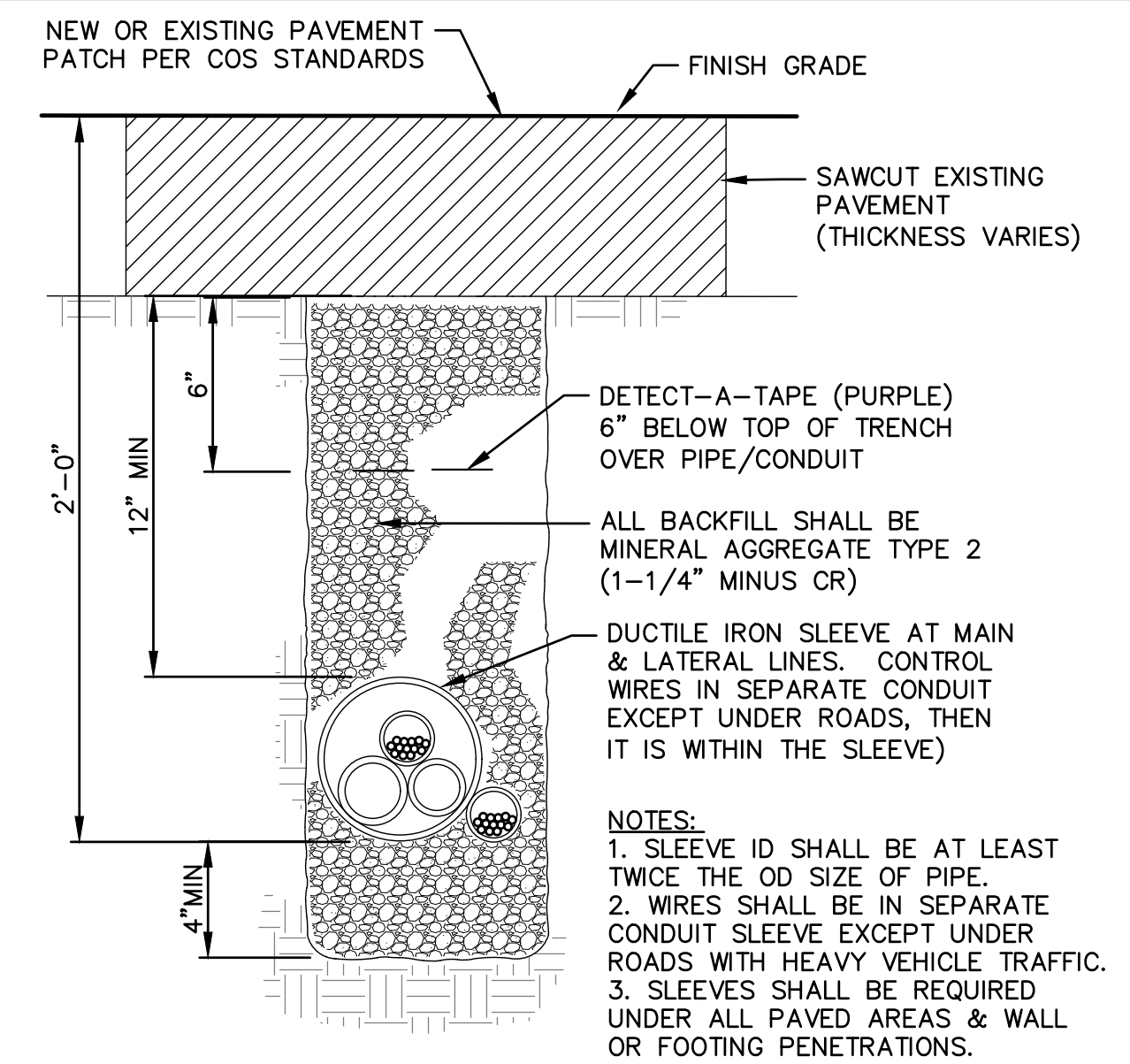
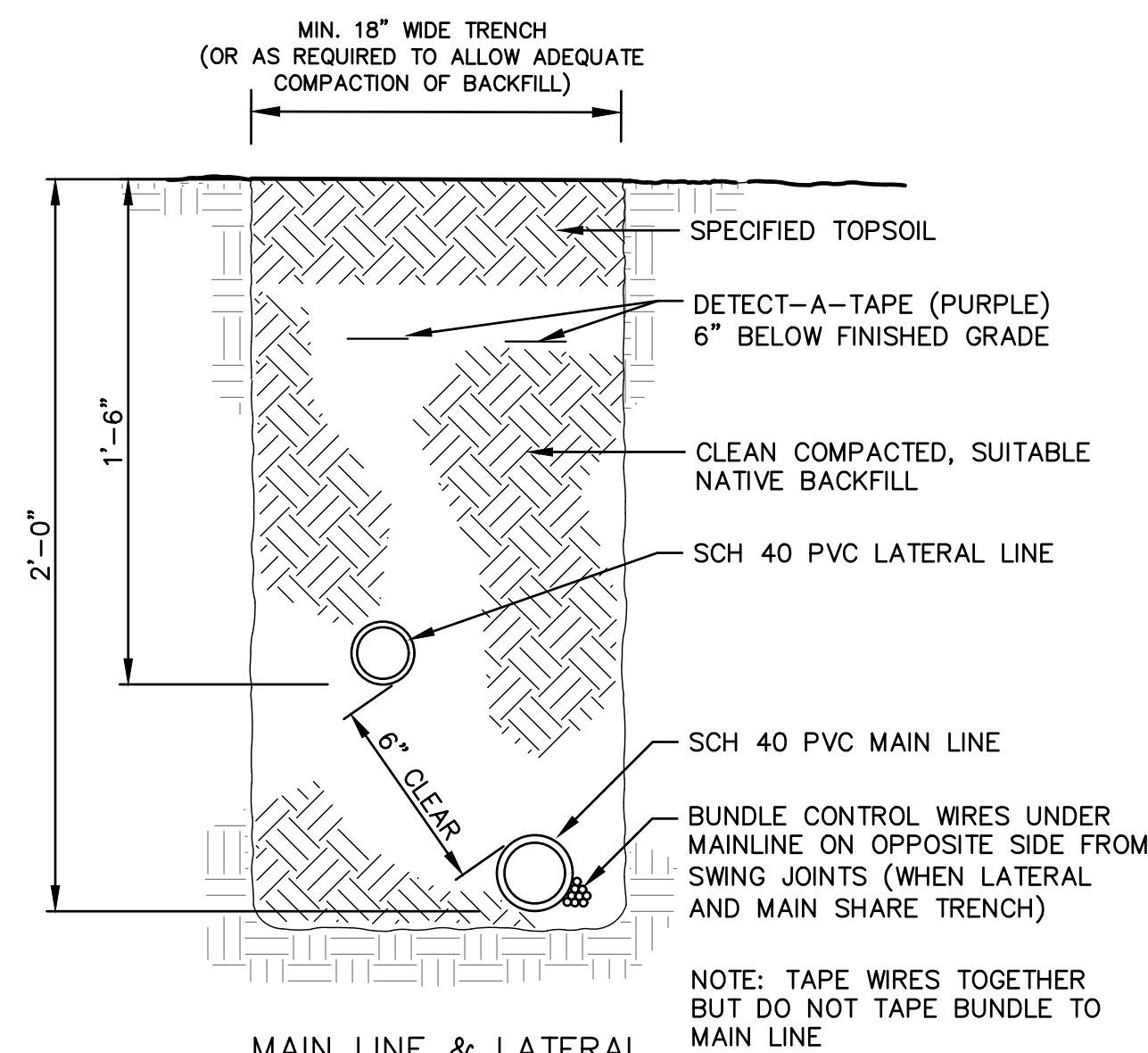
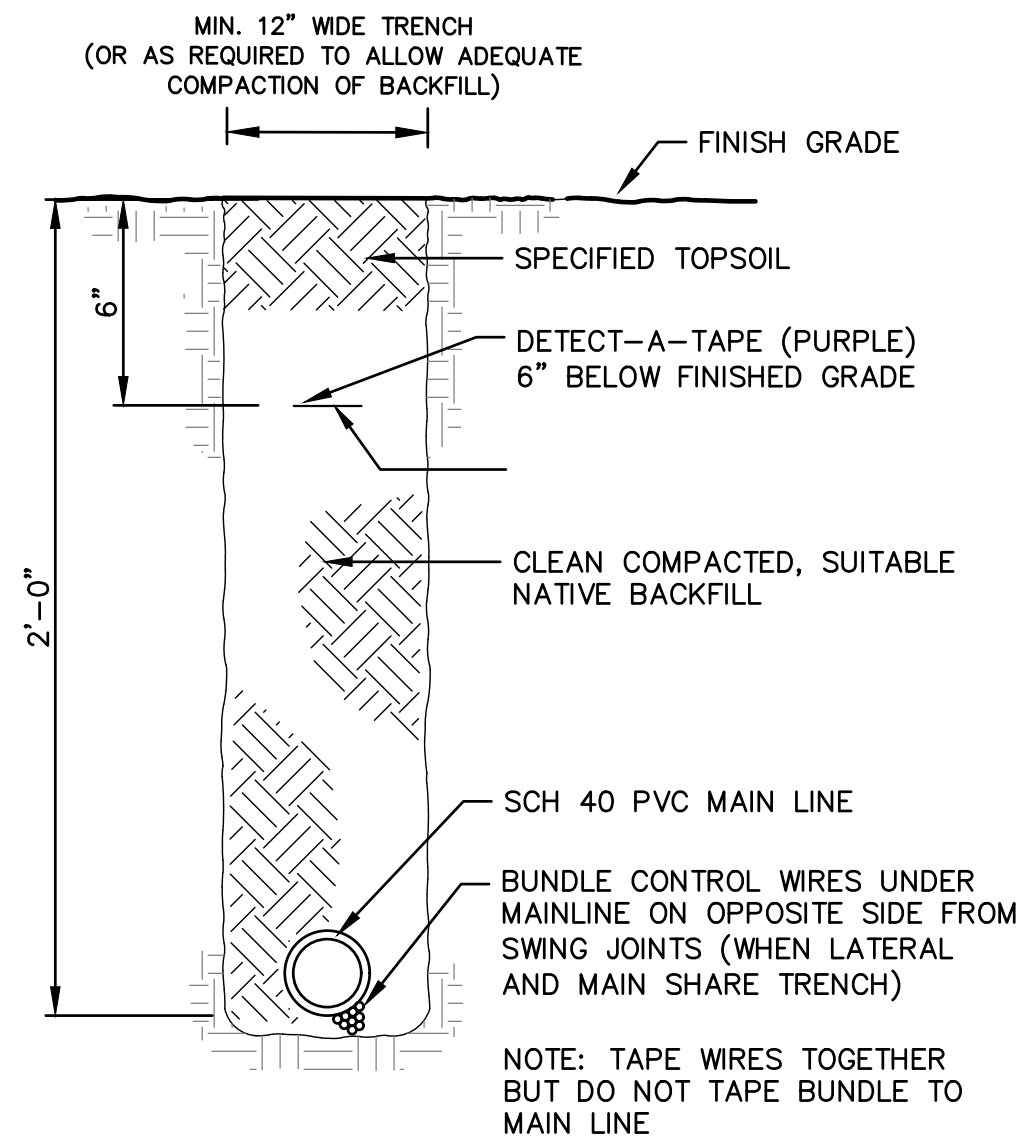
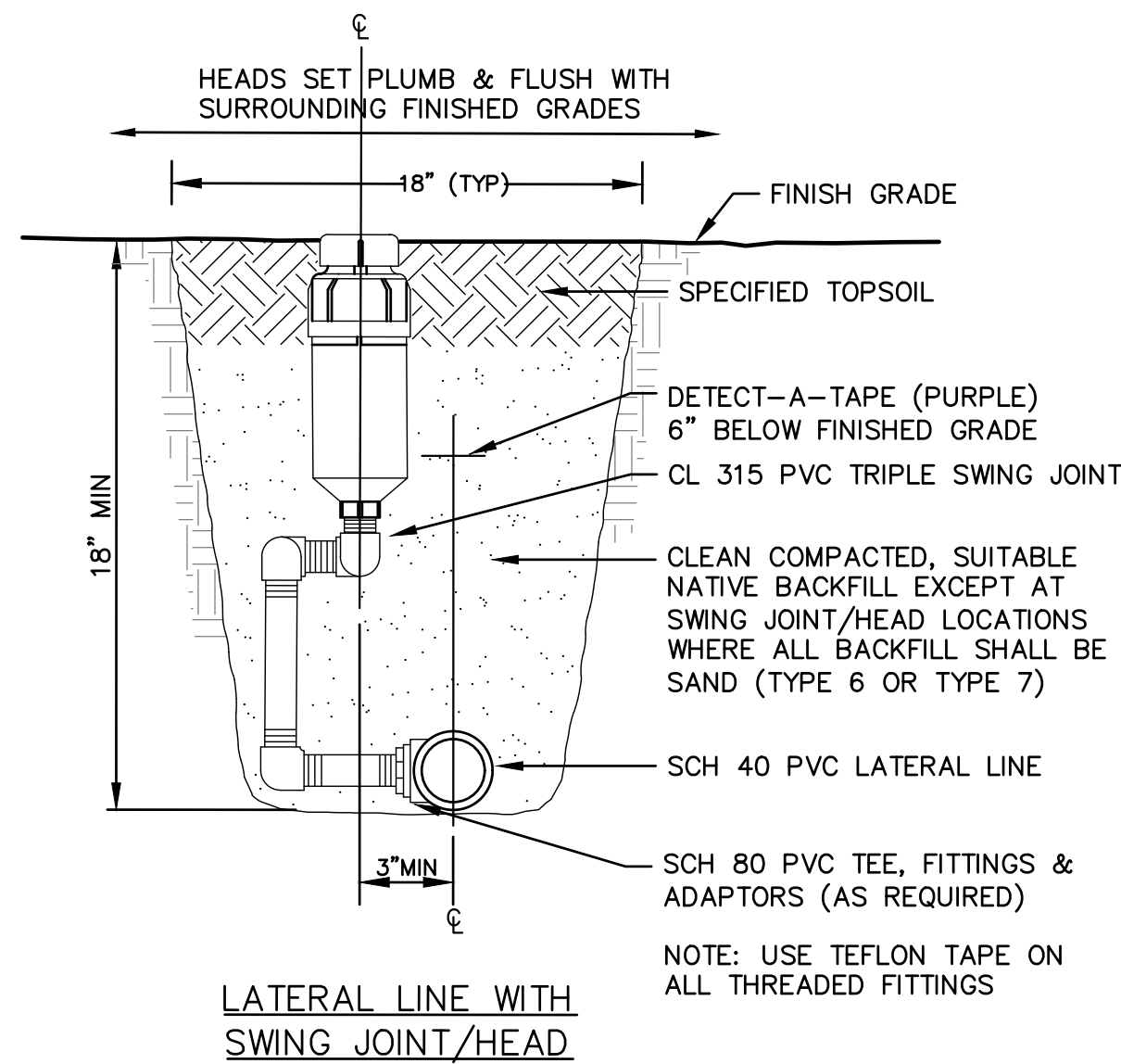


HIAWATHA PLAYFIELD

PLAY AREA RENOVATION

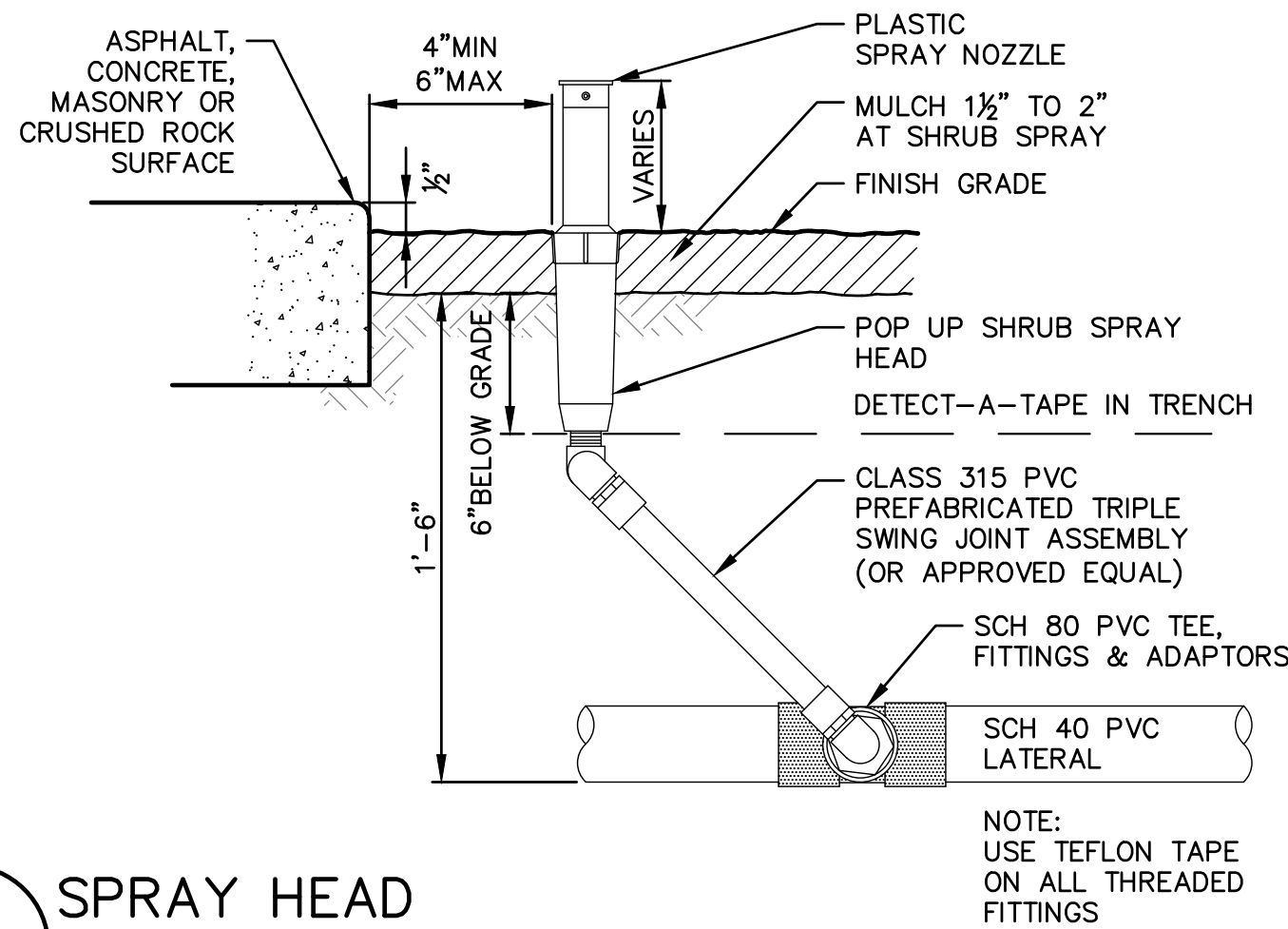
DETAILS - SITE

DESIGNED	KK/CP	DATE	05/10/2022
DRAWN	CP		
CHECKED	KK	SHEET	26 of 30
ORDINANCE NO.	X		L5.3
SPECIFICATION NO.	X		
SCALE	AS SHOWN		



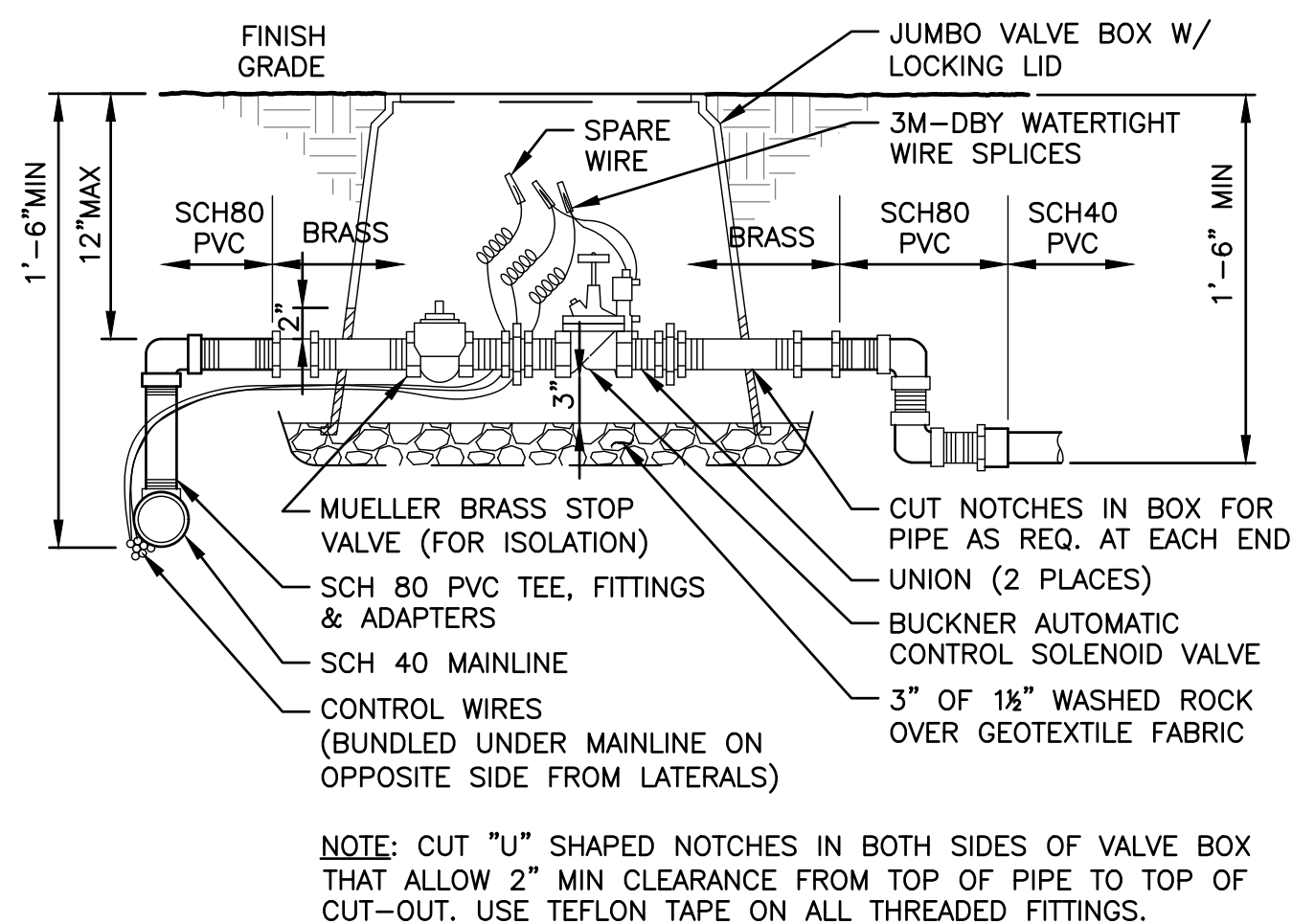
1 IRRIGATION TRENCHES

NOT TO SCALE



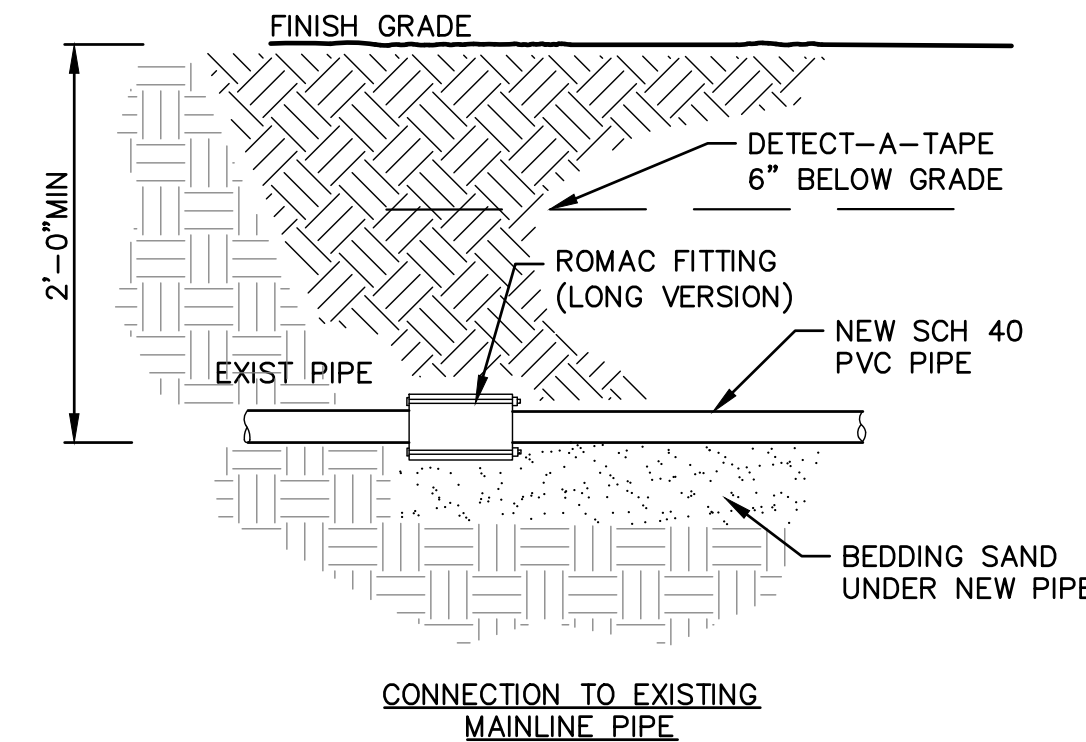
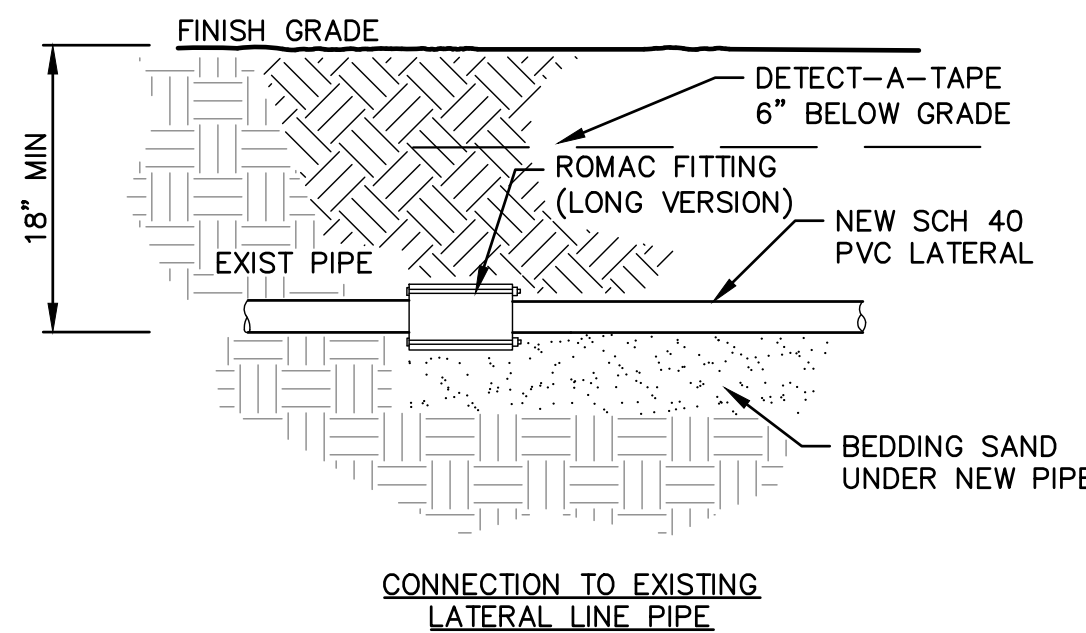
4 SPRAY HEAD

NOT TO SCALE



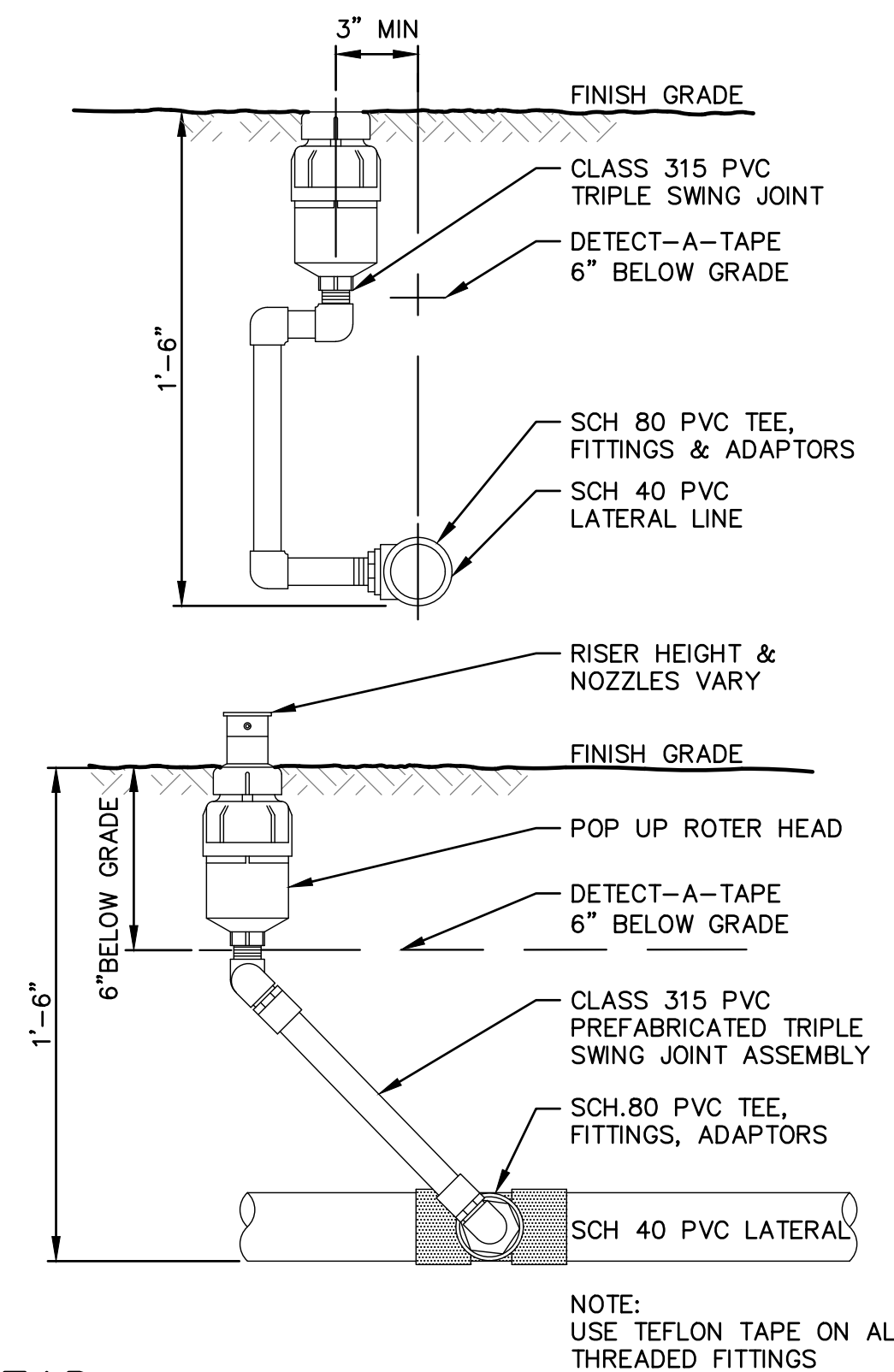
7 AUTOMATIC CONTROL VALVE

NOT TO SCALE



5 CONNECTION TO EXISTING PIPE

NOT TO SCALE



6 ROTOR HEAD

NOT TO SCALE

100% CONSTRUCTION DOCUMENTS

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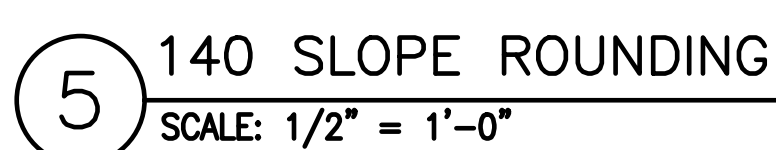
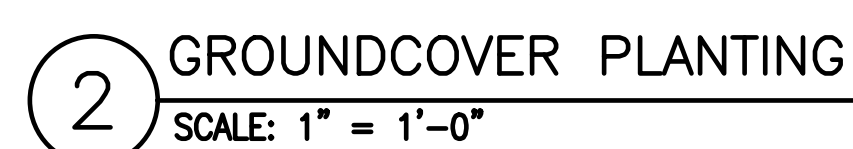
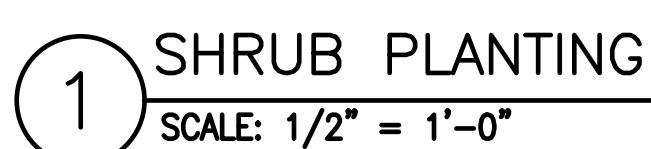
7		
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3		
2	PERMIT CORRECTIONS #2	02/03/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
PARK ENGINEER _____
All work done in accordance with the City of Seattle Standard Plans and Specifications in effect on the date shown above, and supplemented by Special Provisions.

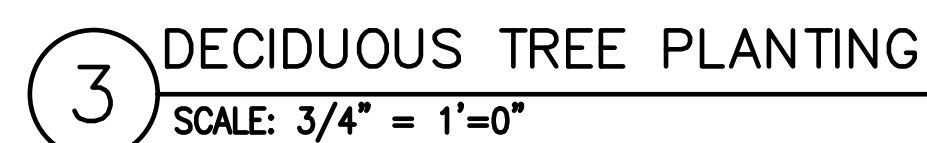


HIAWATHA PLAYFIELD
PLAY AREA RENOVATION
DETAILS - IRRIGATION

DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
DRAWN <u>CP</u>	
CHECKED <u>KK</u>	SHEET <u>27</u> OF <u>30</u>
ORDINANCE NO. <u>X</u>	L5.4
SPECIFICATION NO. <u>X</u>	
SCALE <u>AS SHOWN</u>	



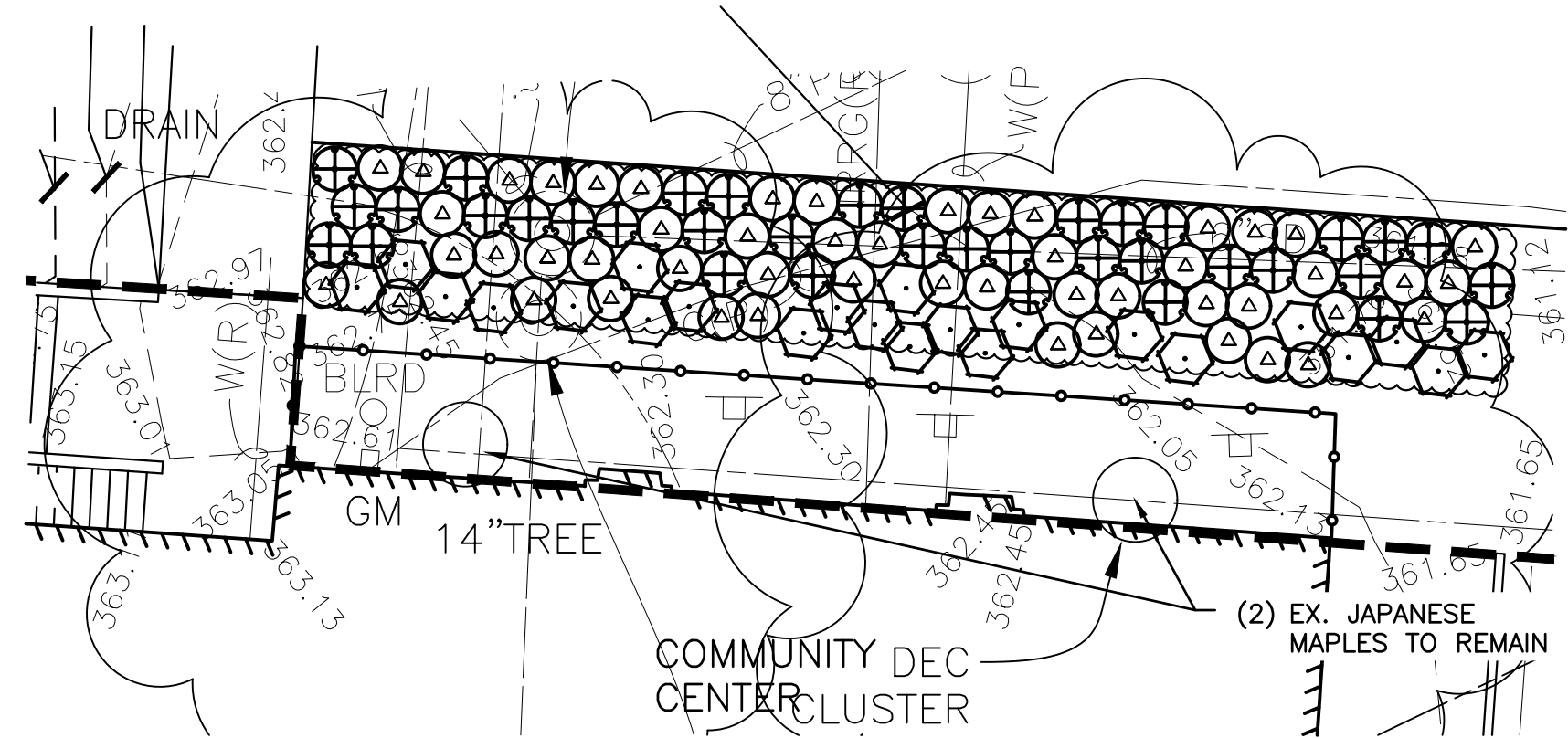
- 6 LANDSCAPE BOULDER
SCALE: 1" = 1'-0"



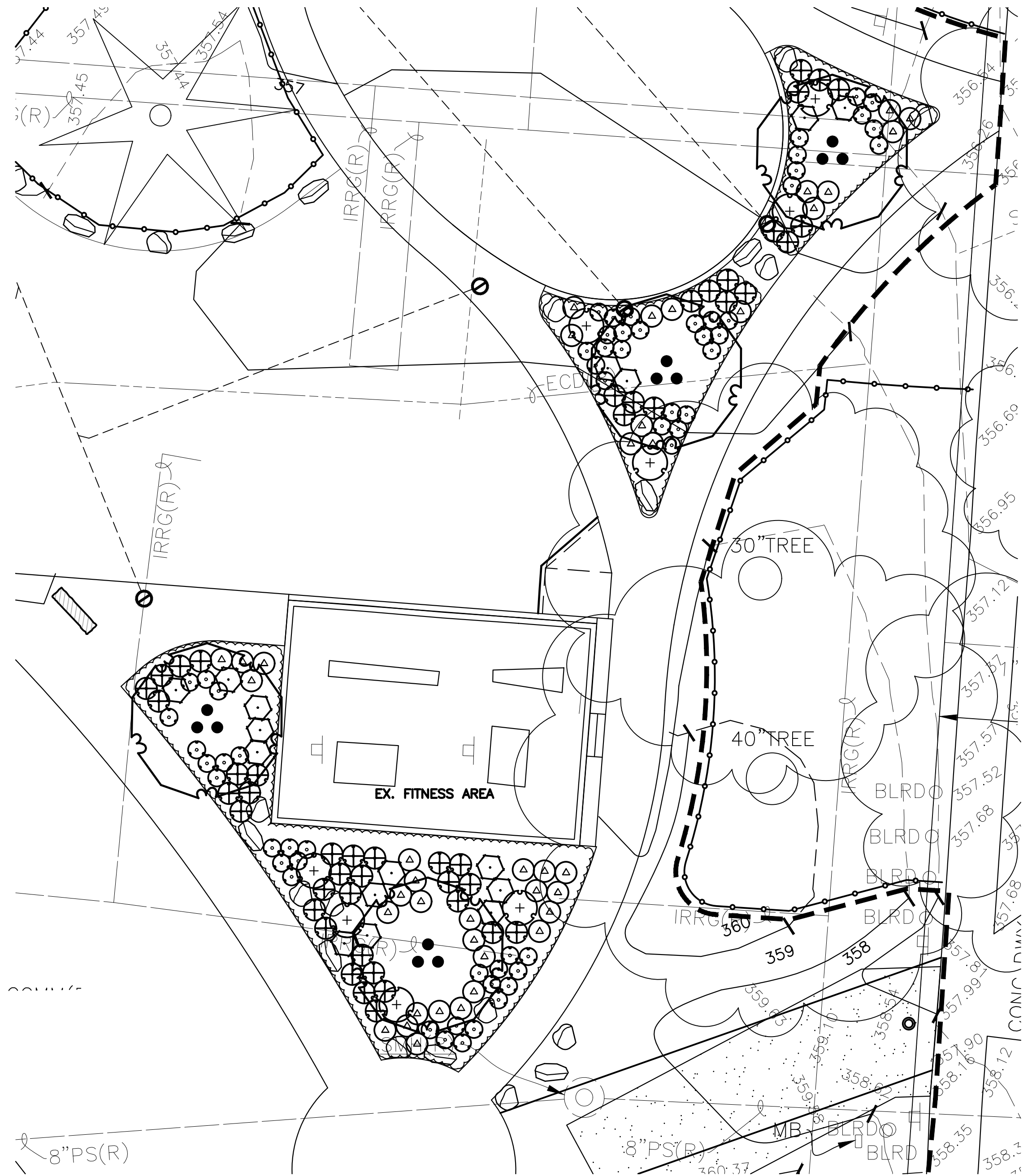
DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
DRAWN <u>CP</u>	SHEET <u>28</u> OF <u>30</u>
CHECKED <u>KK</u>	
ORDINANCE NO. <u>X</u>	L5.5
SPECIFICATION NO. <u>X</u>	
SCALE <u>AS SHOWN</u>	

PLANT SCHEDULE

ON-SITE TREES	BOTANICAL NAME	COMMON NAME	SIZE	COND	QTY	
	ACER CIRCINATUM MULTI-STEM, MIN 3 STEMS	VINE MAPLE	6-8' HT.	B&B	4	
	BOTANICAL NAME	COMMON NAME	SIZE	COND	SPACING	QTY
	CORNUS SERICEA 'KELSEY'	KELSEY'S DWARF RED TWIG DOGWOOD	1 GAL.	CONT.	24" o.c.	59
	GAULTHERIA SHALLON	SALAL	1 GAL.	CONT.	30" o.c.	85
	POLYSTICHUM MUNITUM	WESTERN SWORD FERN	1 GAL.	CONT.	30" o.c.	105
	RIBES SANGUINEUM 'KING EDWARD VII'	RED FLOWERING CURRANT	2 GAL.	CONT.	48" o.c.	8
	VACCINIUM OVATUM	EVERGREEN HUCKLEBERRY	1 GAL.	CONT.	36" o.c.	39



1 PLANTING PLAN: AREA A



2 PLANTING PLAN: AREA B



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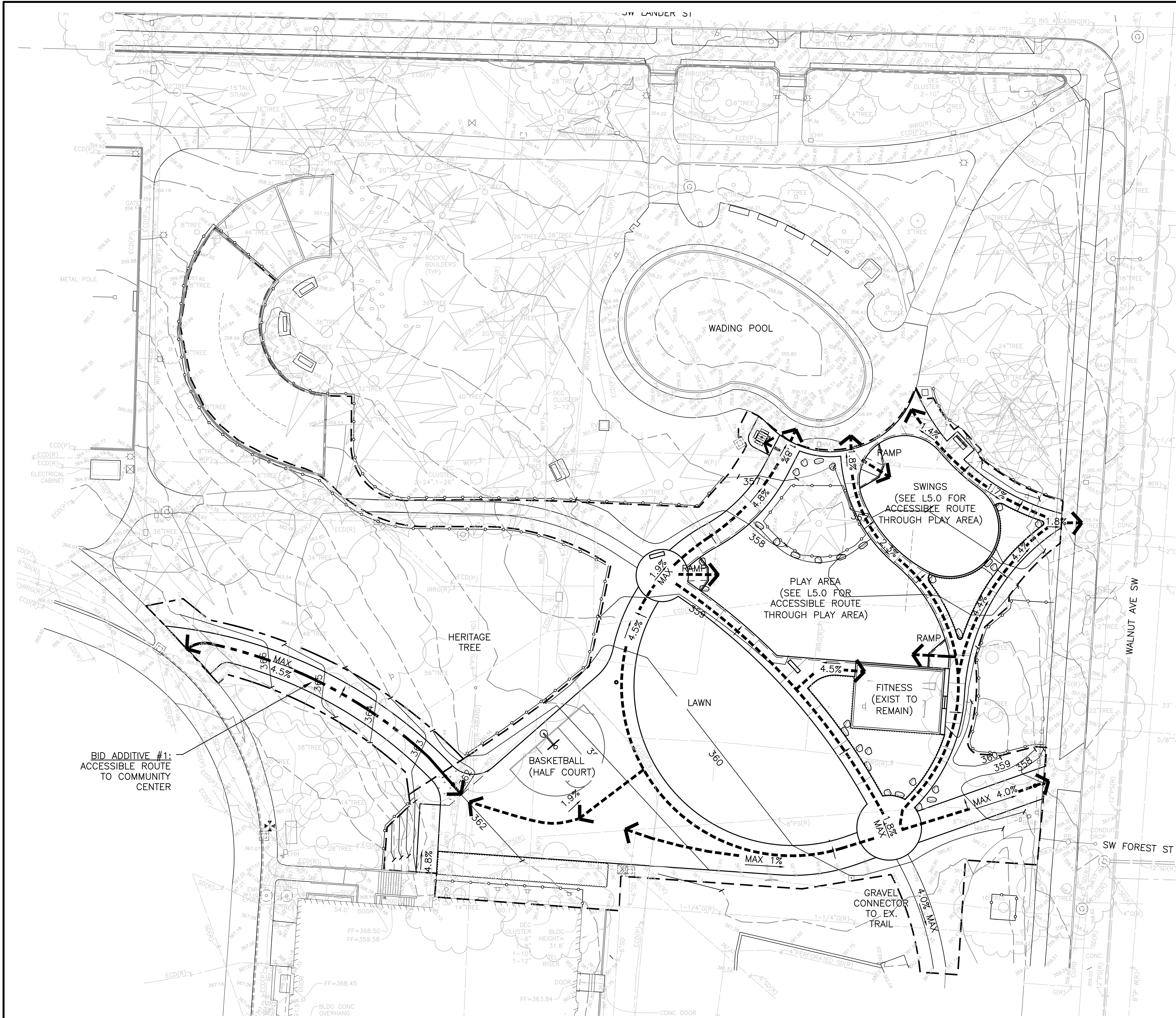
7		
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2	PERMIT CORRECTIONS #2	02/03/22
1	PERMIT CORRECTIONS #1	12/21/21
NO.	REVISION - AS BUILT	DATE

REVIEWED: _____ DATE _____
PARK ENGINEER
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Plans and Specifications in effect on the date shown above, and
supplemented by Special Provisions.



HIAWATHA PLAYFIELD
PLAY AREA RENOVATION
PLANTING PLAN

DESIGNED <u>KK/CP</u>	DATE <u>05/10/2022</u>
DRAWN <u>CP</u>	
CHECKED <u>KK</u>	SHEET <u>29</u> OF <u>30</u>
ORDINANCE NO. <u>X</u>	L5.6
SPECIFICATION NO. <u>X</u>	
SCALE <u>AS SHOWN</u>	

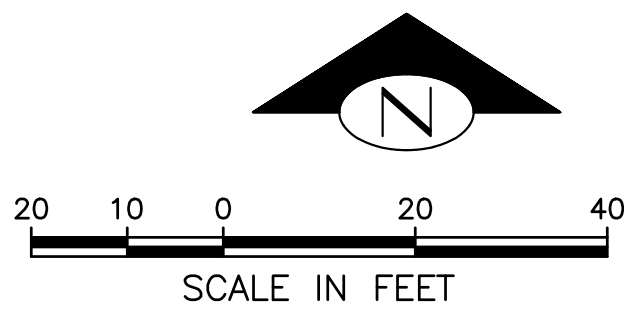


NOTES

- ALL ACCESSIBLE ROUTES SHALL BE CONSTRUCTED AS FOLLOWS:
 - ALL ACCESSIBLE ROUTES TO BE LESS THAN 1:20 (5%) LONGITUDINAL SLOPE, LESS THAN 1:50 (2%) MAX CROSS SLOPE.
- THE FOLLOWING PARK FACILITIES SHALL BE ACCESSIBLE:
 - CONCRETE WALK
 - ASPHALT WALK
 - SWING AREA
 - 2-5 YEAR OLD PLAY AREA
 - 5-12 YEAR OLD PLAY AREA
 - FITNESS AREA
 - BENCHES
 - PICNIC TABLE
- ALL PLAY EQUIPMENT WITHIN THE PLAY AREAS WILL MEET ACCESSIBILITY REQUIREMENTS AND WILL INCLUDE ACCESSIBLE SURFACING.
- SEE GRADING PLAN FOR ADDITIONAL GRADING INFORMATION.

LEGEND

SYMBOL	DESCRIPTION
	ACCESSIBLE ROUTE
	ADD ALT: ACCESSIBLE ROUTE



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	6							PLAY AREA RENOVATION	DRAWN <u>CP</u>	
	5							ACCESSIBILITY PLAN	CHECKED <u>KK</u>	SHEET <u>30</u> of <u>30</u>
	4								ORDINANCE NO. <u>X</u>	L6.0
	3								SPECIFICATION NO. <u>X</u>	
	2	PERMIT CORRECTIONS #2	02/03/22						SCALE <u>1" = 20'</u>	
	1	PERMIT CORRECTIONS #1	12/21/21							
	NO.	REVISION	AS BUILT	DATE						